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Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

Volume 138
Number 24

SINCE 1871

December 9, 1940

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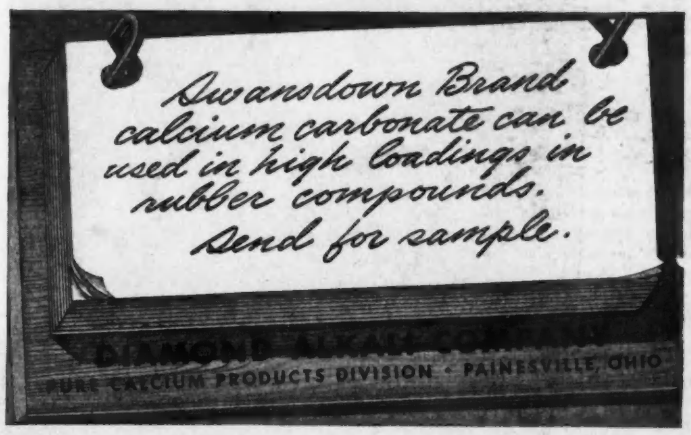
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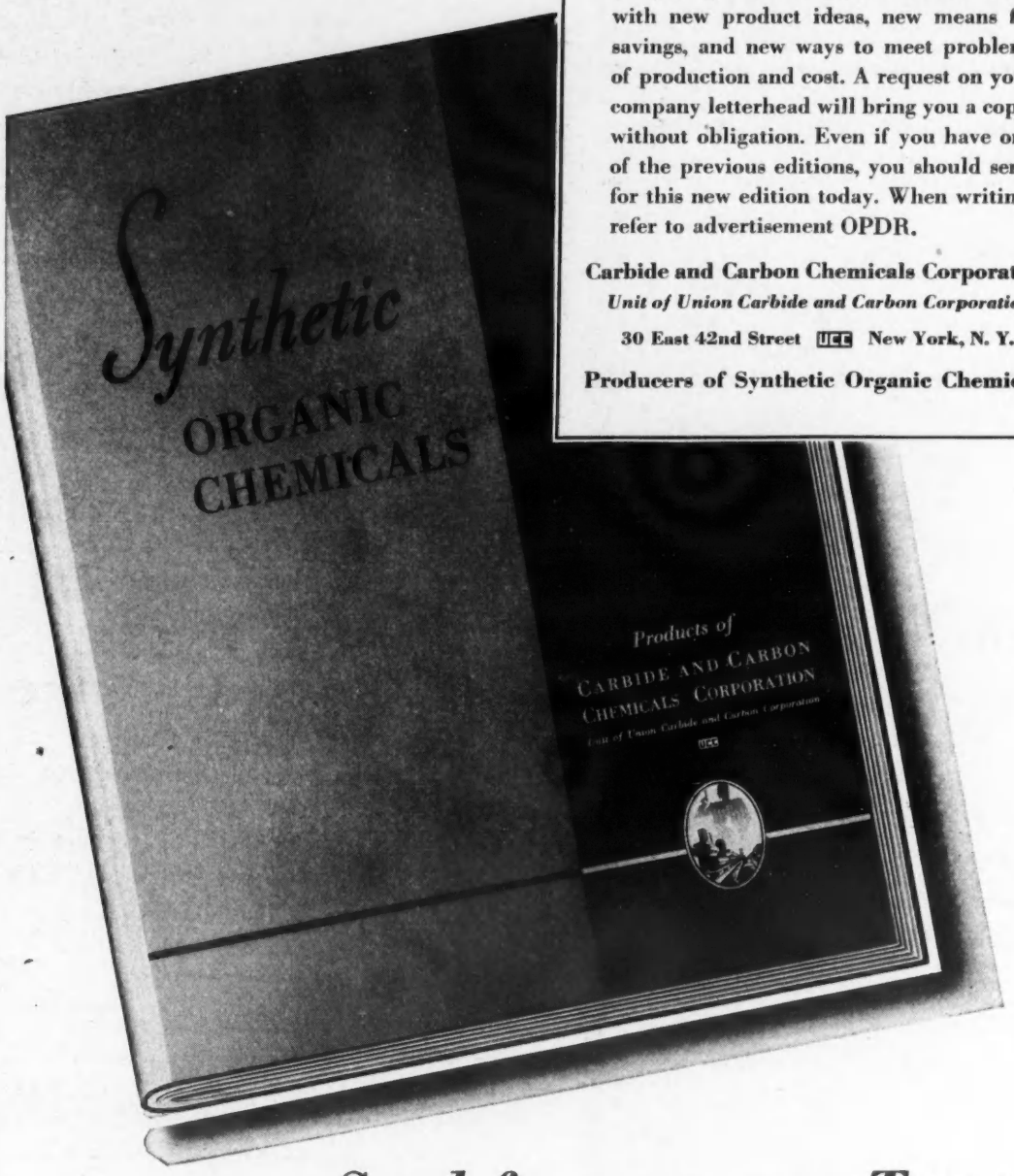

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Volume 138 December 9, 1940 Number 24

Chemical Workers And Payrolls Gain

Employment Up 1.1 Percent—Payrolls Also Show Gain—Both Are Above 1939 Figures

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted an increase of 1.1 percent from September 15 to October 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 2.2 percent above the corresponding level of 1939. Payrolls showed a gain of 0.9 percent from September 15 to October 15, and stood 4.4 percent above corresponding level for 1939.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries October 15 was 125.0 (100 equals 1923-25 average), compared with 122.6 for September 15 and 122.3 for October, last year. For payroll totals the index number was 139.5 (same basis), compared with 138.2 for September and 133.3 for October, last year.

The Bureau's general index numbers for all manufacturing industries April 15, 1940, showed the following comparisons:—

	Oct., 1940.	Sept., 1940.	Oct., 1939.
Employment	109.9	107.7	103.7
Payroll totals	114.2	110.0	101.7

Employment in the chemical group of industries was 13.7 percent above the average of all industries. Payroll totals were 13.4 percent above the general average for industries.

Payroll Totals

(100 = 1923-25 average)

	Oct., 1940.	Sept., 1940.	Oct., 1939.
Chemicals	176.7	170.9	157.9
Cottonseed oil, cake and meal	123.5	78.1	120.2
Druggists' preparations	133.2	132.4	133.0
Explosives	180.9	175.4	125.2
Fertilizers	81.3	85.4	79.8
Paint and varnishes	133.6	135.6	134.6
Petroleum	136.4	139.3	140.0
Rayon and allied products	324.0	327.7	303.0
Soap	108.3	107.0	109.0

—Continued on page 30.

Tung Oil, Tungsten, Tin Pay Loans to China

OPD Washington Bureau
December 4, 1940

The Federal Loan Agency, through the RFC and related agencies, has made allocations and commitments totaling $500,000,000 for the purchase of strategic defense materials, it was revealed today by Jesse H. Jones, Secretary of Commerce and Federal Loan Administrator.

In this total Mr. Jones included an agreement just announced this week under which the Reserve Metals Company will purchase $60,000,000 worth of tin, tungsten, and antimony from China as a means of liquidating a $50,000,000 loan made by the Export-Import Bank. Mr. Jones declined to reveal the quantities of the various materials which may be delivered, but pointed out that this is the fourth loan to China in a little more than a year. The first loan, made in 1939, of $25,000,000, is being liquidated through shipments of tung oil for commercial sale, and he said that payments to date are about $5,000,000, and are ahead of schedule. The second loan was for $20,000,000, made in the Spring of 1940, and is to be paid through the sale of tin; some deliveries have been made, but repayments have been small because some $300,000 was needed to improve tin-smelting facilities in China. A recent loan of $25,000,000 was accompanied by an agreement to purchase $30,000,000 worth of Chinese tungsten.

In addition to the Chinese agree-

—Continued on page 43

Ferguson Slated To Head FHA

OPD Washington Bureau
December 5, 1940

Confirmation of Abner H. Ferguson as Federal Housing Administrator was held up in the senate today when Senator Vandenburg maintained he needed additional time to study Mr. Ferguson's qualifications, but indicated he would agree to the confirmation on Monday.

President Roosevelt sent Mr. Ferguson's name to the Senate Monday as successor to the post previously held by Stewart McDonald.

Before coming to the FHA, Mr. Ferguson had extensive experience in real estate, insurance, and mortgage companies. He is chairman of the Central Housing Committee on law and legislation, composed of the various Federal agencies to deal with mortgage financing. He came to the FHA in 1934, and was made assistant administrator in September, 1939.

Stewart McDonald, former administrator has accepted the post of deputy administrator with the Federal Loan Agency. In that position, he will still have some connection with the FHA. Mr. McDonald was connected with the FHA from 1934 on. He is chairman of the board of the Maryland Casualty Comapny.

Coffee Merchant to Aid American Relations Work

OPD Washington Bureau
December 3, 1940

Berent Friele, president of the American Coffee Corporation, a subsidiary of the Great Atlantic & Pacific Tea Company, has become director of the commercial development section of the Office for Coordination of Commercial and Cultural Relations between the American Republics. He has volunteered his services to succeed William L. Clayton recently appointed Deputy Federal Loan Administrator.

Mr. Friele has been in the coffee business since 1916 and has long experience in South America, notably in Brazil. He is a naturalized citizen of the United States and is president of the American Brazilian Association and a director of the Pan American Society and the Colombian-American Chamber of Commerce.

Nitrogen Fertilizer Concerns Indicted by U.S. As Trust

Eleven concerns in the nitrogen fertilizer industry and thirty-two individuals connected with them are charged with violation of Sherman antitrust act in six indictments opened December 4 before Judge William Bondy in the District Court of the United States in this city.

These indictments were returned by a Federal grand jury September 1, 1939, but were kept sealed pending developments in the government's broad investigation of an alleged "fertilizer trust." A settlement with the potash industry was arranged several months ago in this connection.

The most comprehensive of the six indictments has to do with nitrogen fertilizers as a group—nitrate of soda, sulphate of ammonia, synthetic ammonia solutions, anhydrous ammonia, calcium nitrate, and calcium cyanide. This indictment names, in addition to the domestic and Chilean concerns and individuals, forty-three foreign concerns and sixty-three foreign individuals said to have had parts in an international combination, conspiracy, and agreement allegedly designed and operated to maintain prices and regulate competition in nitrogen fertilizers. The other indictments deal with the various nitrogen compounds separately or with particular activities of corporations or individuals.

Defendants in Indictments

The domestic and Chilean corporations and the individuals connected with them or otherwise entering into the case as defendants are:—

Allied Chemical & Dye Company and Henry F. Atherton, Fred J. Emerich, Joseph N. Ford, William C. King, Francis H. McAdoo, Charles G. Tufts, and Charles F. Weber.

Anglo-Chilean Nitrate Corporation.

Barrett Company and Elton W. Clark, Edward J. Elliott, Sidney B. Haskell, Robert V. Mahon, William N. McIlravy, and Fred T. Techter.

Chilean Nitrate & Iodine Sales Corporation.

Chilean Nitrate Sales Corporation and George R. Pettit, Kenneth H. Rockey and James A. Woods.

E. I. duPont de Nemours & Co. and Walter Dannenbaum, E. A. Headin, R.

—Continued on page 54

Chemical Engineers Discuss War Effects

The effect of war on the chemical industry and the chemical engineering profession was a paramount topic of discussion at the thirty-third annual meeting of the American Institute of

Dr. F. C. Frary
New A.I.C.E. President

Chemical Engineers. The convention was held in the St. Charles hotel, New Orleans, La., December 2 to 6. Francis C. Frary, director of research of the Aluminum Company of America, New

—Continued on page 30

Paint and Varnish Industry Jobs Defined by N. Y. State

Albany, Dec. 2, 1940

Although most executives in the paint and varnish manufacturing industry have a thorough knowledge of the duties performed by each employee, it is doubtful that any of them has ever made a study of staff functions similar to the one recently conducted by the New York State Employment Service. Inasmuch as personnel experts conducted this study with a primary object of using it when referring applicants to jobs within the industry, the trade may find it valuable in standardizing job titles and functions in their respective organizations.

Many paint and varnish manufacturers are using the New York State Employment Service when an opening occurs within their organization; but placement difficulties frequently arise because different operators have various names for the same job. For instance, a "stamper" to one manufacturer may be a "cover marker" to another. In order to eliminate these differences in trade terminology and enable the State employment offices to give improved service, a study of the industry was ordered. The specialists who made the survey utilized the staffs of the ninety employment offices throughout the State. Their findings, therefore, can be considered representative of the industry in New York State as a whole.

A digest of the survey lists eighty-three distinct jobs in alphabetical order. Its fundamental appeal lies in the functional breakdowns given in the job descriptions. It gives individual plants operators a chance to compare their systems with those of the industry as a whole. While the study itemizes each title and clearly defines each operation, it would seem that since so many are perfectly obvious to paint and varnish manufacturers it would serve no purpose to print them here. However, it may be interesting to the trade to learn how an "outside" organization sees the jobs which to them are daily routine.

The job definitions, excluding repetitious and superfluous items, follow:—

Batch Maker:—Operates mixing machinery to blend basic oils and pigments according to prescribed formulas—opens valve permitting oil to

—Continued on 30A

McK.&R. Reorganization Meets Opposition

The protective committee of holders of 5½ percent convertible debentures of McKesson & Robbins has filed objections to the reorganization plan filed by William J. Wardall, trustee, on November 7 in the Federal District Court for the Southern District of New York.

The protective committee proposes that the underwriting of the debentures and preferred stock issues be made a part of the plan and that both be so priced and of such nature that will net the par value thereof. It also asks that the debenture holders be paid in cash 100 percent of the principal and interest due them.

It further asks a separate classification for debenture holders, pointing out that, lumped together with bank and merchandise creditors, they are outnumbered and could be deprived of a voice if about two-thirds of the other creditors voted for the plan.

Under the Wardall reorganization plan, debenture holders would receive 40 percent in new debentures and 20 percent in new preference stock.

Authorization to accept the offer of Price, Waterhouse & Co., accountant, to return $522,402 fees and expenses paid the company by McKesson & Robbins for accounting services was given William J. Wardall, trustee on November 29 by Federal Judge Coxe. The offer was made on condition that return of the money would free Price, Waterhouse & Co., from prosecution

—Continued on page 48

Closing Markets

London Closing Cable

LONDON, Dec. 6, 1940

Quotations on carnauba wax were 5 shillings higher at 415s. per hundredweight.

Sardine Oil Strong

Sales of crude sardine oil were reported on Friday at 41c. per gallon, Northern California, and 42c. per gallon, Southern California, the latter making a new high for the season thus far. Offerings were light on the advance and it was reported that the bulk of the production for the season has already been sold. Refined oil lacked further quotable change here, but to some the tendency of the market still appeared to be upward.

Tung Oil 1940 Output 5,000,000 Pounds

OPD Washington Bureau
December 5, 1940

More than $1,000,000 in new wealth will come to the tung growers and millers of the South as a result of the record 1940 crop about to be harvested, the Bureau of Foreign and Domestic Commerce reported today. Charles C. Concannon, chief of the Chemical Division, points out that in the six Southern States now producing tung trees, Florida, Georgia, Alabama, Mississippi, Louisiana and Texas, the 1940 bumper crop will yield approximately 5,000,000 pounds of oil, despite limits imposed by the damaging cold wave of last Spring.

United States imports of tung oil from China in 1939, the established world source of supply for this important commodity, totaled 79,000,000 pounds. Consumption of the oil in this country last year is estimated to be in the neighborhood of 100,000,000 pounds, necessitating the use of reserve stocks. The price of the oil from China has for the past year been approximately 25 cents a pound, Mr. Concannon said.

Tung oil is one of the most important of the drying oils and occupies a significant place in our industrial economy. The name, tung oil, is derived from the Chinese term for "heart", the name being applied to the oil because of the heart-shaped leaves of the tung trees, Mr. Concannon pointed out.

Imports of tung oil from China have reached as much as 175,000,000 pounds and values have been as high as $20,000,000 a year. The United States, under normal conditions, takes ap-

—Continued on page 43

Retail Defense Group To Meet December 12

The Retailers Advisory Committee, affiliated with the Advisory Commission to the Council of National Defense, will meet in the Vanderbilt hotel, this city, December 12 and 13 for a discussion of retailers' problems resulting from expanding national production. The meeting has been called by Fred Lazarus, jr., Columbus, Ohio, chairman.

The first day will be devoted to executive sessions of representatives of the fifty-odd retailers' associations comprised by the committee. In the forenoon, December 13, various committees will report the progress of their several programs. At luncheon Miss Harriet Elliott, consumer representative on the defense advisory commission, will speak.

Austin and Manville Killed in Plane Crash

Chicago, Dec. 6, 1940

Charles W. Manville, general sales-manager for the National Refining Company, Cleveland, and William J. Austin, president of the Austin Company, contractual engineers, Cleveland, were among the nine who died as a result of injuries received when a United Airline transport plane in which they were passengers, crashed and burned yesterday near the Chicago airport. Paul Ryan, president of the National Refining Company, was seriously injured and is reported near death. George Haig, of the Sherwin-Williams Company, Cleveland, suffered a fractured arm and burns.

Chemical Price Level Raised

Strengthening views on certain solvents, arsenicals, and paint materials of various sorts boosted the average level of prices in the markets for heavy and fine chemicals last week. Antimony and lead derivatives were on the down side.

Prevailing quotations were continued for first-quarter 1941 contract schedules on potash perchlorate, soda chlorate, oxalic acid, chemical lime, hyposulphite of soda, strontium nitrate, sulphur chloride and dioxide, various coaltar colors (toners were cheaper), and natural dyestuffs and tanstuffs.

Business showed some expansions, and the aggregate volume was larger. Buyers' inventories were believed to be so narrow that no marked yearend slackening was likely.

Prices were advanced on lead arsenate, hydrosulphite of soda, butyl acetate and alcohol, isopropyl acetate, acetone, corn syrup, tanner's corn sugar, corn dextrin, cornstarch, Italian siennas, Turkish umbers, dry and cut shellacs, atropine, yohimbine, hoofmeal at Chicago, and cottonseed meal in the Southeast.

Prices were reduced on antimony oxide, antimony white pigment, lead, lead oxides, silicate of lead, gum rosin, gum turpentine, a number of blue, red, and violet toners, and emetine.

The REPORTER'S composite index number of prices for heavy and fine chemicals was lifted to a new high of 130.6 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 92.5, compared with 90.7 at this time last year and 88.9 in 1938.

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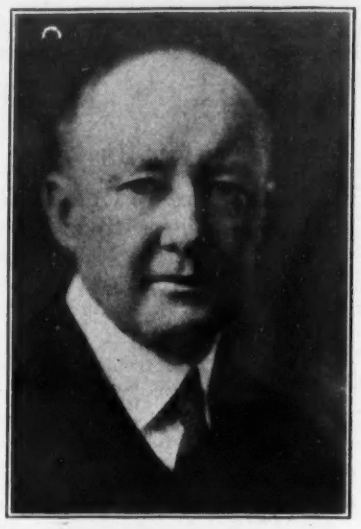
American Can Names M.J. Sullivan President

Maurice J. Sullivan, executive vice-president was appointed president of the American Can Company at a meeting of the executive committee held in this city December 3. Mr. Sullivan succeeds Dr. Herbert A.



Maurice J. Sullivan

Baker who died November 25. At the same meeting T. N. Anderson, formerly vice-president and comptroller, became executive vice-president and comptroller and Dudley W. Figgis, formerly vice-president, was made executive vice-president of the company.

—Continued on page 34

Western Hemisphere Trade Rules Approved

OPD Washington Bureau
December 2, 1940

Twelve resolutions concerned with the bettering of trade relations in the Western Hemisphere were approved by twenty American nations and the United States at the Inter-American Maritime Conference concluded today.

The resolutions contained the following recommendations:—

Establishment of direct services to all ports, and an adequate system of transshipments.

Maintenance of all vessels now in operation.

Rules for transportation and storage of perishable vegetable and animal products.

Establishment of free ports, and study of the problem of double maritime freight rates caused by shipping to and from free ports.

Encouragement of tourist travel.

Consideration to the requirements of the countries affected when freight rates are determined.

Adoption of the York-Antwerp rules of 1924 in the Western Hemisphere to ensure uniform trade laws.

Provision for twenty-four-hour inspection of ports by customs, health, police, and immigration officers.

The need and publication of uniform port dues and charges, advance notice of changes in port dues and regulations, promulgation of standard terms and def-

—Continued on page 34

TVA to Rehabilitate Nitrate Plant No. 2

OPD Washington Bureau
December 3, 1940

The War Department announced today the transfer of $6,500,000 from Army appropriations to the Tennessee Valley Authority for rehabilitation of nitrate plant number 2 at Muscle Shoals, Alabama. This plant will be equipped by the TVA for the production of ammonia, a basic element necessary for the production of explosives.

Further details were not announced by the Department, but it is understood that this sum will be used to install ammonia-making equipment in the old plant, originally built to use the cyanamide process, now obsolete. It is understood, although no formal announcement has been made, that TVA will construct a modern nitrogen-fixation plant to produce explosive ingredients, and it is presumed that the cyanamide plant will not be used as such.

F.D.A. Studying Labels On Cold Preparations

OPD Washington Bureau
December 5, 1940

Drug preparations represented as being preventives or remedies for common colds will receive special attention from agents of the Food and Drug Administration during the next few months, it was announced today by Walter G. Campbell, Commissioner of Foods and Drugs.

Chielf field agents of the administration will convene in Washington next week to confer on the general work of the administration and to outline projects for the coming year, and they will be given instructions to pay particular attention to the labels of cold preparations of various types.

Until now the Food and Drug Administration has paid very little attention to the labeling of cold remedies, particularly under the old food and drug law where it was necessary to prove fraud, on the theory that other types of preparations warranted more attention from the standpoint of protecting the public health.

The Administration has not laid down any definite rules as to what sort of statements may be placed on the labels of cold preparations, but the drive will be directed particularly at claims of preventing contracting a cold.

While the Food and Drug Administration generally frowns on the use of a disease name on a drug label, it will not object to references to colds on labels or even in drug names provided the rest of the label is not misleading or does not make claims for the product which are not supported by medical evidence. A product may be represented as alleviatnig a cold or giving relief from certain symptoms if the claims are not unwarranted by the nature of the product and directions for use are adequate.

Bottle Patent Decree To Be Signed Jan. 14

Toledo, Dec. 2, 1940

Oral acceptance of the consent decree was reported to Federal Judge F. L. Kloeb today, on behalf of the glass container companies that are defendants in the antitrust law suit against their methods of using patents. Judge Kloeb set January 14 as the date in which the defendants will sign the decree before him.

The setting of a glass institute to take the place of the Hartford-Empire Company, holder of the patents, has been made dependent on the exemption of the transaction from Federal taxes. The government has declared that at least 75 percent of the patent licensees must sign the consent decree.

Essential Oil Ass'n Will Meet Jan. 9

The Essential Oil Association of U. S. A. will hold its annual meeting and election January 9 in the Hotel Warwick, this city. The business session, which is limited to members, will be convened at 6:00 p.m. Following it there will be a cocktail party and dinner.

Arrangements for the affair are being handled by a committee named by Charles Fischbeck, of P. R. Dreyer, Inc., president of the association, and composed of William Schilling, jr., of the Norda Essential Oil & Chemical Company, chairman; Robert B. Magnus, of Magnus, Mabee & Reynaud, Inc., and Ray C. Schlotterer, managing director of the association.

A.Ph.A. Elects Officers

The members of the American Pharmaceutical Association in their balloting by mail have elected the following officers for the official year beginning with the annual meeting August 17 to 23, 1941:—

President, B. V. Christensen, of Ohio State University School of Pharmacy.

Vice-presidents, J. K. Atwood, Jacksonville, Fla., and L. W. Rowe, of Parke, Davis & Co., Detroit.

Members of the council, R. L. Swain, of Topics Publishing Company, New York; P. H. Costello, Cooperstown, N. D.; F. E. Bibbins, of Eli Lilly & Co., Indianapolis.

U.S.P. Digitalis Test Upheld by Court

The food, drug and cosmetic law case in this city in which the U.S.P. method of physiologically standardizing digitalis was demonstrated to make the government's point that a preparation made by the Yates Drug & Chemical Company, this city, was deficient in strength, resulted, December 2, in a judge's verdict upholding the Food and Drug Administration.

The tests in court indicated that the preparation in question did not have U.S.P. potency. The defendant manufacturer argued that the U.S.P. (frog) test was not a reliable or accurate one. Federal Judge V. L. Leibell thought otherwise and, ruling that intent to deceive was not an issue nor was the cause of the preparation's deficiency, he found the manufacturer guilty and imposed a fine of $500.

Proprietary Association Science Section Meets

The results of investigations and research during the past year in the proprietary pharmaceuticals field were reviewed at a meeting of the scientific section of the Proprietary Association in the Biltmore hotel, this city, December 4. The vitamin B complex, nomenclature of drug materials, and recent legislative developments were among the subjects specifically discussed.

The vitamin B complex was discussed by Dr. William L. Sampson, of Merck & Co. In his review of the recent findings relative to the complex, he declared that it now appeared probable that scientific workers had, or were nearing the end of its constituents. Dr. James C. Munch, consultant, again presented a paper concerning the nomenclature of medicinals. His paper this year concerned the materials which stimulate the nerve endings, particularly the analgesics and anodynes, which alleviate pain.

The description of recent legal developments affecting the industry was given by Dr. F. J. Cullen, executive secretary and Washington representative of the Proprietary Association. Among the topics discussed by Dr. Cullen were the revisions in the suggested warnings for pharmaceutical product labels, issued by the Food and Drug Administration late in 1939. He also described recent judicial decisions in which it was ruled that advertising copywriters could not "write around" a cease and desist order, and another in which it was ruled that a second governmental bureau could not prose-

—*Continued on page* 50

F.T.C. Names March Chairman for 1941

OPD Washington Bureau
December 5, 1940

The Federal Trade Commission has elected Commissioner Charles H. March as chairman for the calendar year 1941, under its policy of rotating the chairmanship annually. Commissioner March was chairman during 1933.

Insecticide, Disinfectant Makers Told Soaps Are Not Germicidal

Soaps are not germicidal, Dr. E. G. Klarmann, of the Lehn & Fink Products Corporation, declared in an address at the twenty-seventh annual meeting of the National Association of Insecticide and Disinfectant Manufacturers, held in the Roosevelt hotel, this city, December 2 and 3.

Dr. Klarmann, in his opening remarks said that it is a somewhat peculiar phenomenon, as a rule, to obtain a response to the disclosure of new facts than a recognition or even a hearing for an attempt to assign to older facts their proper measure of significance.

The mind, even the so-called technical mind, often seems to resist any outside influence directed toward the correction of ideas stored away comfortably in the individual's repository of acquired information, he said, and this is why statements or conclusions based on faulty or incomplete premises are by no means exceptional.

This general observation may be applied to the specific problem of the antibacterial properties of soap, he continued. Although numerous scientific and technical data have been published, which have clarified the problem to a considerable extent, carelessly expressed or utterly unfounded claims for an unqualified germicidal potency of ordinary washing or toilet soaps, or even statements alleging the superiority of such soaps to disinfectants, are pronounced or published not only by the self-appointed lay advisers of the consuming public, but, what is infinitely more serious, by some of those whose training and position should entitle them to the designation of "experts" in this and related fields. Dr. Klarmann then discussed in detail his finding, a summary and conclusion of his paper, "Are Soaps Germicidal," follow:—

The F.D.A. technic employing besides *Eb. typhosa* and *Staph. aureus* three other test organisms, viz., *Shig. paradysenteriae Streptococcus* and *Trichophyten rosaceum* has been applied to a study of a) the series of potassium soaps of homologous fatty acids, b) a group of commercially available washing and toilet soaps, and c) a number of "technical" soaps obtained by the saponification of fatty vegetable oils. For practical reasons, all tests were carried out at 37°C. Of the homologous series only salts of fatty acids with eight to ten carbon atoms evidenced a germicidal efficacy of some note. Fatty acids of this

—*Continued on page 30D*

W. J. Zick
Re-Elected President

Mexican Oil Rejection Probe of Navy Asked

OPD Washington Bureau
December 4, 1940

A resolution to investigate Navy purchase of petroleum products has been introduced in the Senate by Senator Guy M. Gillette of Iowa, the preamble of which states that reports have been made in the press that the Navy rejected low bids for Mexican oil and accepted higher bids for domestic oil, thus effecting an unauthorized embargo against Mexico.

The resolution apparently is based on recently published charges that the Navy was influenced in the purchase of fuel oil by American oil interests whose Mexican properties were expropriated.

On September 5 the Navy received three bids for 500,000 barrels of fuel oil. The low bid of 79 cents per barrel was submitted by the Maritime Oil Company and Eastern States Petroleum Corporation; Consolidated Oil Company bid 85 cents; and Standard Oil Company (N. J.) bid 89 cents.

The first two bidders stated that the oil was of Mexican origin, while Standard, which was awarded the contract, specified domestic oil. The "Buy American" act of 1934 requires government agencies to give preference to domestic over foreign articles except under certain conditions.

F.T.C. Hits Gasoline Retailer Price Deals

OPD Washington Bureau
December 3, 1940

The Standard Oil Company, Chicago; the Gulf Refining Company, Pittsburgh; the Texas Company, New York, and the Shell Oil Company, St. Louis, have been charged with Federal Trade Commission complaints with price discrimination in violation of the Robinson-Patman act in the sale of gasoline in the Detroit area.

The Standard Oil Company, supplying gasoline to approximately 450 retailers in the Detroit area, according to the complaint, has sold gasoline to four dealers, each of which owns or operates one or more retail gasoline stations, at prices ranging from ½ cent to 1¾ cents a gallon lower than the prices charged by it to other Detroit retailers for gasoline of the same grade and quality.

The Gulf Refining Company, supplying gasoline to approximately 225 retailers in the Detroit area, according to the complaint, has sold gasoline to the Firestone Tire & Rubber Company and the B. F. Goodrich Company, each of which owns or operates one or more retail gasoline stations, at prices ranging from 1 to 2 cents a gallon lower than the prices charged by it to other Detroit retailers.

The Texas Company, supplying gasoline to more than eighty retailers in the Detroit area, according to the complaint, has sold gasoline to certain customers, each of which owns or operates one or more retail gasoline stations, at prices ranging from ½ cent to 2 cents a gallon lower.

The Shell Oil Company, according to the complaint, has sold gasoline to certain retailers at prices substantially lower than those charged by the respondent to its other Detroit retailer purchasers.

Food Brokers Checked by F.T.C.

OPD Washington Bureau
December 6, 1940

Fifteen individuals and twelve companies, in large part the severel individuals' trading concerns, acting as brokers in the purchase and sale of canned products and other foods, have been ordered by the Federal Trade Commission to cease a variety of practices alleged to be in violation of the Robinson-Patman act's prohibition of price concessions in the guise of brokerage fees and similar allowances.

The several brokers have their chief places of business in Maryland, Virginia, and Pennsylvania.

The commission has issued a total of eight orders in these cases. The various prohibitions imposed thereby are as follows:—

Cease granting or making any allowances or discounts in lieu of brokerage to any purchaser by selling commodities to any such purchaser at a price reflecting a reduction from the prices at which sales of the commodities are currently being effected by the respondents to other customers, such reduction being an amount representing, in whole or in part, brokerage currently being paid by the respondents to corresponding or local brokers for brokerage services or sales assistance rendered to the respondents in effecting sales of such commodities to other purchasers.

Cease granting or allowing, in any manner, directly or indirectly, any commission, brokerage or other compensation or allowance or discount in lieu thereof to any purchaser in such transactions.

Cease and desist from making purchases of commodities for their own account at a price or on a basis which reflects a deduction or reduction, or is arrived at or computed by deducting or subtracting, from the prices at which sellers are selling commodities to other purchasers thereof, any amount representing or reflecting, in whole or in part, brokerage currently being paid by sellers to their brokers on sales of commodities made for such sellers by, or by such sellers through, their brokers.

Cease accepting from sellers in any manner any commission, brokerage or other compensation or allowance and discount in lieu thereof on purchases of commodities made for their own account.

FINE CHEMICALS
Mallinckrodt
SINCE 1867

Quick Facts about

MALLINCKRODT NUTGALL PRODUCTS

This chart tells you at a glance why Mallinckrodt Tannin Products appeal to so many intelligent buyers. See for yourself the essential points about each grade. Isn't the grade you need there?

NUTGALL PRODUCTS

ACID GALLIC		
Average characteristics	N.F. VI	Technical
Appearance	Yellowish gray flaky powder	Light gray-brown powder
*Mesh	95% passes #120 sieve	100% passes #100 sieve
Bulk	35 ft. oz./lb.	30 ft. oz./lb.
Assay (% anhydrous acid)	92%	89%

ACID TANNIC			
Average characteristics	U.S.P. XI Fluffy	U.S.P. XI Powdered	Technical
Appearance	Pale yellow fluffy powder	Light yellow powder	Brownish yellow powder
*Mesh	100% passes #100 sieve	100% passes #180 sieve	#100 sieve 100% passes
Bulk	195 ft. oz./lb.	25 ft. oz./lb.	25 ft. oz./lb.

ACID PYROGALLIC				
Average characteristics	U.S.P. XI Resub. Medicinal	Cryst. Photo	Tech. Powder	Tech. Lumps
Appearance	White fluffy crystalline powd.	Small irregular white crystals	Dark gray-brown powder	Gray-black lumps
*Mesh	90% passes #100 sieve	Approx. 6-16 mesh	100% passes #100 sieve	Irregular lumps ½-1" diameter
Average bulk	65 ft. oz./lb.	30 ft. oz./lb.	38 ft. oz./lb.	
Melting point	131-133°C	130-132°C		
Average assay by sublimation			Approx. 75-85%	Approx. 75-85%

*All sieve sizes U. S. Standard.

Prices and Literature on these and other Nutgall products can be obtained by writing to Mallinckrodt either at St. Louis or New York.

Bottle or Barrel . . .
Mallinckrodt Spells Quality

MALLINCKRODT CHEMICAL WORKS

2nd & Mallinckrodt Sts., St. Louis, Mo. • 70-74 Gold St., New York, N. Y.

CHICAGO PHILADELPHIA MONTREAL TORONTO

Current Market Quotations

December 6, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED DEC 9 1940 LIBRARY CHEMISTS' CLUB

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .38 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lbs. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .35 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.06 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .03¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5% bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks.....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 20-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib, dms., works....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech. bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1 85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld...ton.111.00 - —
ton lots, ex whse...ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .12 - .13
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .14½- .15½
Chlorosulphonic, d m s., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15½- —
l.c.l., 5 tons, dlvd., N. Y., lb. .15¾- —
smaller quantities, dlvd., N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10 - .10½
Corn, dist., dms.....lb. .08¼- .08¾
Cottonseed oil, dist., dms....lb. .06¾- .07¼
tanks .....lb. .06¼- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms, c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .63 - .65
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S..gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East. U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448 - —
Crotonic, x0 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, bbls., 1-ton delivery..lb. .24 - —
smaller lots.....lb. .25 - .26
Gallic, tech., bbls.....lb. .90 - .93
N.F. VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H. bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys..... lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cby. lb. .20 - —
concentrated, 34%, cby.....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works. ..lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, dms..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10¾- .11¼
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12¼
Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms.....lb. .12 - .12¼
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .12¼- .12½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .03 - .05
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.11.00 - —
5-lb. bots.....lb.11.50 - —
1-lb. bots.....lb.12.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works....100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24 works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms...lb. .06¾- .07¼
tanks .....lb. .06¼- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., dms...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —
Pyroligenous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split), tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, dist., double pressed, bgs., dlvd..lb. .09¾- .10½
single pressed, bgs., dlvd..lb. .09 - .10
triple pressed, bgs., dlvd..lb. .12¼- .13¼
saponif., double pressed, bgs., dlvd..lb. .09¾- .10¾
triple pressed, bgs., dlvd..lb. .12¼- .13½

Acid, succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06¾- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs.....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .43¼- —
smaller quantities...lb. .43¾- —
kgs. .....lb. .44¼- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .38 - .42
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vis. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .26½- .27
hyd., dms.....lb. .24½- .25
Agar, 1, bls.....lb. 1.50 - 1.55
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.50
Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld..lb. .18 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .65 - .68
powd., dms., bbls.....lb. .70 - .75
import, cs.....lb. .65 - .68
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, dms., l.c.l., wks...lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works...lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing c. l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .32½- —
l.c.l., works, dms.....gal. .37½- —
tanks, E., works.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .31½- —
19 bbls., E. works...gal. .33½- —
1 to 18 bbls., E. works, gal. .36½- —
dms., c.l., E. works...gal. .30½- —
19 dms., E. works....gal. .32½- —
1 to 18 dms.....gal. .35½- —
tanks, E. works.....gal. .24½- —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .28½- —
19 dms., works, E....gal. .30½- —
1 to 18 dms., works, E. gal. .33½- —
tanks, E. works.....gal. .22½- —
SD23G, works, E., c.l., dms., gal. .34½- —
19 dms.....gal. .36½- —
1 to 18 dms.....gal. .39½- —
tanks .....gal. .28½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

Alcohol—Ammonia Persulph.

Alcohol, special solvent, dms., c.l., works..gal. .31½- —
20 dms., to c.l.....gal. .33½- —
1 to 19 dms.....gal. .36½- —
tanks, E works.....gal. .25½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tech., dms., c.l., dlvd.....lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Ethyl, 190 pf., ex. molasses, dms., c.l.....gal. 6.00½- —
19 dms.....gal. 6.04 - —
5 to 18 dms.....gal. 6.07 - —
1 to 4 dms.....gal. 6.07 - —
tanks .....gal. 5.94½- —
absolute, dms., c.l.....gal. 6.35½- —
19 dms.....gal. 6.39 - —
5 to 18 dms.....gal. 6.42 - —
1 to 4 dms.....gal. 6.42 - —
Ethyl alcohol in bbls. 1c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Alcohol, isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest.gal. .65 - —
55 gals., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .36 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 2.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Alstris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Aloe root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - 3.64
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .90 Nom.
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd. N.Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
dlvd. N.Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phil...100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd. N.Y., Phila...100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N.Y., Phila...100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00

Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd...lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .13 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....160 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs..lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs..lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 15.00 -25.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton. 90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, dms., dlvd., Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd., Met. N.Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works. 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22

TiO_3

The two lowest cost raw materials for the production of all Molybdenum compounds, including Molybdated pigment colors, are:

PURE MOLYBDENUM TRIOXIDE
AND TECHNICAL MOLYBDENUM TRIOXIDE

Our development department will gladly take up with you any problems involving the application of Molybdenum

Climax Molybdenum Company
500 Fifth Avenue, New York City

MOLY

Ammonia, phosphate, dibasic, N.F.V., bls..lb. .37 - —
kgs. ..... lb. .39 - —
tech., bbls., c.l. ..... lb. .07½- —
l.c.l. ..... lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls. ..... lb. .40 - .45
tech., bbls., c.l. ..... lb. .07¼- —
l.c.l. ..... lb. .08¾- .09¼
Salicylate, USP, kgs. ..... lb. 1.15 - 1.20
Silicofluoride, bbls. ..... lb. .11½- —
Stearate, anhydrous ..... lb. .24½- —
paste ..... lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Dec. shipt..ton.28.00 - —
spot, same basis ..... ton.29.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100% dms., c.l., dlvd..lb. .08 - —
l.c.l., works ..... lb. .12 - .13
tanks, dlvd. ..... lb. .07½- —
Red, 48%, cbys., works..lb. .07½- —
dms., works ..... lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works ..... lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs. ..... lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. ..... 100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cake ..... 100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd. ..... lb. .12 - —
tanks, dlvd. ..... lb. .10½- —
cns., works ..... lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld. ..... lb. .11½- —
tanks, frt. alld. ..... lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns. ..... lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works ..... lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works ..... lb. .0665- —
tanks, works ..... lb. .0465- —
Nitrite, bots. ..... lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works. lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots. ..... lb. .61 - —
cns., 25 lbs. ..... lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works ..... lb. .11 - —
tanks, works ..... lb. .09 - —
Anethol, bots. ..... lb. 1.10 - 1.15
Angelica root, dom., bls. ..... lb. .35 - .40
import., natural, bls. ..... lb. 1.75 - 1.80
twisted, bls. ..... lb. 1.95 - 2.00
Angostura bark, bls. ..... lb. .30 - .32
Anilin oil, dms. ..... lb. .15 - —
l.c.l. ..... lb. .16 - —
tanks ..... lb. .14½- —
Salt, dms., works ..... lb. .22 - .24
Anise, Bulgarian, bgs. ..... lb. .17 - .18
Cyprus, bgs. ..... lb. .17 - .18
Mexican, bgs. ..... lb. .17 - .17½
Star ..... lb. .17 - .18
Anisic aldehyde, bots. ..... lb. 2.85 - 2.90
Annatto paste, bxs. ..... lb. .34 - .39
seed, bgs. ..... lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .53 - —
90%, bbls., wks. ..... lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys. ..... lb. .17 - —
Metal, spot ..... lb. .14 Nom.
Needle, brown, Bolivian, 67%.. lb. .16 - —
Chinese, black, 70% ..... lb. .24 - .28
Oxide, bgs., c.l. ..... lb. .11 - .13
l.c.l. ..... lb. .12½- .14½
Salt, 65%, dms. ..... lb. .28 - —
bbls. ..... lb. .36 - —
White pigment, bgs. ..... lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots ..... lb. 2.10 - 2.15
Apomorphine, bots. ..... oz. 23.20 - 23.70
Archil extract, con., bbls. ..... lb. No prices
double, bbls. ..... lb. No prices
triple, bbls. ..... lb. No prices
Areca nuts, powd., bbls. ..... lb. .11 - .12
Arecoline hydrobromide, bots. oz. 5.25 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls. ..... lb. 2.00 Nom.
Root, bls. ..... lb. .55 - .57
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. ..... lb. .09½- .10
Arsenic, metal, lump, cs. ..... lb. No prices
Chloride (arsenous), cns. ..... lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars ..... lb. 5.43 - —
Red, import, cs. ..... lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l. ..... lb. .03½- —
l.c.l. ..... lb. .04¼- —
Asafetida, cs. ..... lb. .36 - .37
powd., bbls., bots. ..... lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l., (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons) Canad. mines—ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l., (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant ..... lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y..ton.29.00 - —
l.c.l., f.o.b. N. Y. ..... ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y. ..... ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y...ton.35.00 - —
l.c.l., f.o.b. N. Y. ..... ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y. ..... lb. .15 - —

Asphaltum, gilsonite, brilliant black, bgs., c.l., Western shipt. points..ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery ..... ton.21.00 - —
tanks, refinery ..... ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery ..... gal. .06½- —
N. Orleans, refinery...gal. .0 - —
Atropine, bots. ..... oz. 6.75 - 7.50
Sulphate, bots. ..... oz. 5.45 - 6.50

B

Balm of Gilead buds, bgs. ..... lb. .40 - .45
Barberry bark, bgs. ..... lb. .37 - .39
Tree bark, bls. ..... lb. No Prices
Barbital, cs. ..... lb. 3.50 - 3.60
sodium, cs. ..... lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.45.00 - —
l.c.l., works ..... ton.50.00 - —
bbls., c.l., works ..... ton.50.00 - —
l.c.l., works ..... ton.55.00 - —
sulphur-free, bgs., c.l., works, ton.50.00 - —
l.c.l., works ..... ton.55.00 - —
Chlorate, kgs. ..... lb. .45 Nom.
Chloride, CP, cryst., bbls. ..... lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line ..... ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis...ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis...ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis...ton.85.00 - —
l.c.l., bgs., same basis...ton.96.00 - —
bbls., same basis...ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis ..... lb. .12 - .15
Fluoride, bbls. ..... lb. .14 - .15
Hydrate (see Hydroxide).
Hydroxide, bbls., works..... lb. .05½- .07
Iodide, bots. ..... lb. 4.77 - —
jars ..... lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks. ..... lb. .08¼- .10¼
Oxide, ungrd., dms., c.l., works. lb. .08 - —
l.c.l., same basis ..... lb. .10 - .12
grd., dms., l.c.l., works...lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls. ..... lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls. ..... lb. .09½- .10
kgs. ..... lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis ..... ton.26.15 - —
paper bags, c.l., St. Louis. ton.22.85 - —
l.c.l., same basis ..... ton.23.85 - —
ex whse., New York....ton.31.50 - —
Southern off color, bulk mines, ton.12.00 - —
95.75%, bulk mines ..... ton.16.00 - —
ore, bulk, mines ..... ton. 7.00 - —
Cuban, crude, c.l., c.i.f. ..... ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse. ..... ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse ..... ton. No prices
Bauxite, bulk mines ..... ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls. ..... lb. .82 - .90
Bayberry bark, bgs. ..... lb. .14 - .15
Belladonna leaves, bls. ..... lb. 1.75 - 2.00
Root, bls. ..... lb. 1.50 Nom.
Bentonite, 200 mesh bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .50
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs. ..... lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls. ..... lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys. ..... lb. .23 - .28
Peroxide, pure, gran., 5lb. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. ..... lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms. ..... lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns. ..... lb. 4.15 - 5.50
Formate, cns. ..... lb. 2.75 - 3.50
Benzylidineacetone, bots. ..... lb. 2.00 - 2.50
Berberine bisulphate, cns. ..... lb. 16.75 -17.25
Hydrochloride, cns. ..... lb. 16.75 -17.25
Sulphate, cns. ..... lb. 16.75 -17.25
Berberis root, bls. ..... lb. .12 - .13
Betanaphthol, sublim., kgs. ..... lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works ..... lb. .24 - —
Benzoate, fib. dms. ..... lb. 2.10 - —
kgs. ..... lb. 2.00 - —
Betanaphthylamine, tech., kgs. lb. .51 - —
Beth root, bls. ..... lb. .19 - .21

Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars ..... lb. 2.65 - —
Hydroxide, 5-lb. bots. ..... lb. 3.46 - —
cns. ..... lb. 3.35 - —
Metal, ton lots. ..... lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. ..... lb. 1.30 - —
Oxychloride, 5-lb. bots. ..... lb. 3.19 - —
cns., kgs. ..... lb. 3.10 - —
Subbenzoate, 5-lb. bots. ..... lb. 3.36 - —
fib. dms. ..... lb. 1.13 - —
Subcarbonate, bots., cns. ..... lb. 1.82 - 2.06
fib. dms. ..... lb. 1.73 - 1.76
X-ray, 5-lb. bots. ..... lb. 3.02 - —
fib. dms. ..... lb. 2.96 - —
Subgallate, bots., cns. ..... lb. 1.77 - 2.08
fib. dms. ..... lb. 1.68 - 1.71
Subiodide, cns. ..... lb. 4.01 - —
fib. dms. ..... lb. 3.98 - —
Subnitrate, powd., bots., cns. lb. 1.57 - 1.85
fib. dms. ..... lb. 1.48 - 1.51
Subsalicylate, 60-66%, bots..lb. 2.59 - —
bbls., fib. dms. ..... lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms. ..... lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. ..... lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns. ..... lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E. ..... lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E. ..... lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E. ..... lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E. ..... lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E. ..... lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E. ..... lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E. ..... lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports..lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports..lb. .02925- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0303- —
All carbon black prices are for delivery in August-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works ..... lb. .08 - —
Ivory, genuine, bbls. ..... lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works ..... lb. .08 - —
2, ctns., c.l., works ..... lb. .09 - —
l.c.l., works ..... lb. .10 - —
2A, ctns., c.l., works ..... lb. .11 - —
l.c.l., works ..... lb. .12 - —
3, ctns., c.l., works ..... lb. .13 - —
l.c.l., works ..... lb. .14 - —
4, ctns., c.l., works ..... lb. .15 - —
l.c.l., works ..... lb. .16 - —
5, ctns., c.l., works ..... lb. .17 - —
l.c.l., works ..... lb. .18 - —
6, ctns., c.l., works ..... lb. .24 - —
l.c.l., works ..... lb. .25 - —
7, ctns., c.l., works ..... lb. .34 - —
l.c.l., works ..... lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld. ..... lb. .09 - —
l.c.l., frt. alld. ..... lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls. ..... lb. .29 - .30
Tree bark, bls. ..... lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works ..... ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works. ..... ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works ..... 100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.50 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.80 - —
import, bgs., c.i.f. ports, ship..unit-ton. 2.50 - —
soluble (see Albumen, blood)
Bloodroot, bls. ..... lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls. ..... lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.00 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts. lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —

Ammonia Phos.—Butyl Chloride

Blue, tungstated, peacock, kgs. lb. 3.75 - —
Victoria, kgs. ..... lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
Ultramarine, dry pulp, jobbing grades, bbls., same basis. lb. .11 - —
regular grades, bbls., same
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs..lb. 1.67 - 1.84
powd., cns., dms. ..... lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -32.00
import, bgs., c.i.f. ports..ton.31.00 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 - —
import, bgs., c.i.f. ports..ton.31.50 - —
Phosphate, recip. (see Calcium phosphate dibasic, precip.).
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.32.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls. ..... lb. .08½- .09
Borage flowers, bls ..... lb. .35 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld. ..... ton.43.00 - —
ton lots, ex whse. ..... ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld. ..... ton.53.00 - —
ton lots, ex whse. ..... ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
bgs., c.l., frt. alld. ..... ton.48.00 - —
ton lots, ex whse. ..... ton.59.00 - —
less than ton lots, ex whse..ton.34.00 - —
bbls., c.l., frt. alld. ..... ton.58.00 - —
ton lots, ex whse. ..... ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., ca., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkgs., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. ..... lb. 1.42 - —
Bromstyrol ..... lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls. ..... lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks. lb. .02¼- —
paper bgs., c.l., works ..... lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06¼- —
raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .13¼- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12¼- —
4, bbls., same basis....lb. .10¼- —
5, bbls., same basis....lb. .10¼- —
6, bbls., same basis....lb. .09¼- —
7, bbls., same basis....lb. .09½- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07½- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .05¾- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04½- —
St. Louis ..... lb. .05 - —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05¼- —
ex whse. Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston ..... lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City ..... lb. .05¾- —
Minneapolis ..... lb. .0535- —
Pittsburgh ..... lb. .05 - —
Vandyke, bbls., l.c.l. ..... lb. No prices
Walnut crystals, bbls. ..... lb. .06½- —
Brucine, 100 oz., cns. ..... oz. .15 - —
Sulphate, 100 oz., cns. ..... oz. .12 - —
Bryonia root, bls. ..... lb. .28 - .30
Buchu leaves, bls. ..... lb. .62 - .65
Buckthorn bark, true, bls. ..... lb. .75 Nom.
cut and sifted, bbls. ..... lb. No prices
Berries, bgs. ..... lb. .35 - .40
Burdock root, bls. ..... lb. .30 - .35
Burgundy pitch, dom., dms. ..... lb. .06 - .06¼
Butternut bark, bls. ..... lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld. ..... lb. .10 - —
l.c.l., frt. alld. ..... lb. .10½- —
tanks, frt. alld. ..... lb. .09 - —
tankwagons, frt. alld. ..... lb. .09½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms..lb. .08 - —
tanks, same terms. ..... lb. .06½- —
Alcohol (see Alcohol);—
Aldehyde, dms., c.l. works...lb. .15½- —
l.c.l., works ..... lb. .16½- .17¼
tanks, works ..... lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. ..... lb. .21 - —

Butyl Crot.—Diatom. Earth

Butyl crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16¼- .17
tanks.....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .00 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single, jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cans.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms.....lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs.. lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l.....lb. .06¾- —
Southern cotton states, dms.. c.l..lb. .06 - —
l.c.l.....lb. .06¼- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse.100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms.....lb. .55 - .57
cns.....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .72 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports. ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton..lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs.lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .70 - .75
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - .83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0330- .0350
Morocco, bgs.....lb. .0350- .0380
Turkish, bgs.....lb. .0340- .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway, Dutch.....lb. .45 - .46
Russian.....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .06½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l..gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .86 - .88
green, bgs.....lb. .65 - .67
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .15 - .16
Case - hardening mixture, 30% lump, dms., l.c.l..lb. .00 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .13 - .14
5 tons, works.....lb. .13½- —
smaller lots, works.....lb. .14 - —
80-100 mesh, bgs., c.l.....lb. .13½- .14½
5 tons, works.....lb. .14 - .15
smaller lots, works.....lb. .15 - —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12½- —
80-100 mesh, bgs., c.l., duty paid..lb. .12½- .12¾
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .16½- .17
No. 1, regular, bls.....lb. .16¾- .16¾
shortsticks, bls.....lb. .12¾- .13¼
broken, bls.....lb. .11 - .11½
China, rolls, select, bls.....lb. .11¼- .11½
broken, extra, bls.....lb. .10 - .10½
Saigon, No. 1, 4-10-4, bls....lb. .18¾- .19¼
10-6-", bls.....lb. .19½- .20
all thin, bls.....lb. .21½- .22
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .16 - .18
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .31 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.51.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .50 - .52
Indian.....lb. .22¼- .22¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .36 - —
Acetate-butyrate, high (20-40% bntyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.50 Nom.
Roman, bls.....lb. 2.00 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton.8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila.....ton.18.00 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¾- —
contracts, dlvd., N. Y...lb. .05¾- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt. equald., 100 lbs. 2.90 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13¼- —
solut. 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .75 - .80
20 in., thick, cs.....lb. .75 - .80
20 in., medium, cs.....lb. .75 - .80
USP, broken quill, red, bgs., lb. .21 - .23
yellow, bgs.....lb. .21 - .23
Cinchonidine, small crys., cns., 100 ozs..oz. .80 - —
Sulphate, N.F., cns.100 ozs..oz. .53 - —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns.100 ozs..oz. .66 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.40 - —
1 and 5-lb. bots.....lb. 3.50 - 3.55
100 lbs., dms.....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .15¾- .16¼
3 bls.....lb. .15½- .16
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronella, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .23 - .23½
Madagascar .....lb. .16¾- .16¾
Zanzibar .....lb. .15½- .16
Clover tops, red, bgs.....lb. .30 - .35
dom., bgs.....lb. .33 - .35
Coaltar, coal gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07¼- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .80¼- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .88 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8¼%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, bbls.....lb. .13 - —
2 %, bbls.....lb. .14 - —
3¼%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs..lb. .13 Nom.
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.22.00 -25.00
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb 30 - .32
Copaiba balsam, Para, cns.....lb. .25 - .26
S.A., USP, cns.....lb. .27 - .28
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .16¼- —
Chloride, cryst., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - —
Nitrate, cryst., bbls.....lb. .16¼- —
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l, 80-88%, kgs., f.o.b. N.Y..lb. .19½- —
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.10 - —
1-5 bbls., same basis, 100 lbs. 5.35 - —
monohydrated, dms., c.l., dealers, f.o.b. works.100 lbs. 9.30 - 9.55
l.c.l., dealers.....100 lbs.10.30 -10.55
Copperas, cryst., gran., bgs., c.l., works..ton.18.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipt.....lb. .0140 Nom.
Coriander, bgs.....lb. .07¾- .07¾
bleached, bgs.....lb. .08½- .09
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 4.44 - —
slabs, bbls., c.l.....100 lbs. 3.36 - —
solid, bbls., c.l.....100 lbs. 3.48 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.47 - —
42°, bbls., c.l.....100 lbs. 3.52 - —
Cornsilk, bls.....lb. .15 - .16
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
meal, 8%, Southeast, mills..ton.31.50 -32.00
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .36¼- —
smaller lots, bbls.....lb. .36¾- —
kgs.....lb. .37¼- —
Creosote, beechwood, bots.....lb. No prices
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.29
Oil, crude, tanks, works....gal. .13¾- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .11 - —
l.c.l. works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C....lb. .19 - .21
4% rotenone prices are 3c. per lb less.
Cubeb berries, XX, bgs.....lb. .35 - .40
powd., cs.....lb. .40 - .45
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs....lb. .20 - .20½
Cyprus, bgs.....lb. .20 - .20½
Persian, bgs.....lb. .18½- .19
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., dlvd. lb. .17 - —
Cyclohexanol, 98-100%, dms., dlvd..lb. .26 - —
Cyclohexanone, 98-100%, dms., dlvd..lb. .40 - —

D

Damiana leaves, bls.....lb. .17 - .24
Dandelion root, German, bls...lb. .80 - .85
Decanol, normal, tech., 360 lbs. dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras common, dom., bbls...lb. .06 - .06¼
neutral, dom., bbls.....lb. .13¼- .14¼
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y.....lb. .21 - .23
4% rotenone prices are 3c. per lb. less.
Derris, extract, 2% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.10 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.20 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.85 - —
l.c.l., f.o.b. Chicago 100 lbs. 4.05 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
Potato, imoort, bgs.....lb. No stock
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .088- —
l.c.l., works.....lb. .092- —
tanks, works.....lb. .075- —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l. works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l. ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard.....ton.35.00 -39.00
l.c.l. ex whse.....ton.35.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .06 - —
l.c.l., ex whse.....lb. .10 - .16
Import, bgs., c.l., c.i.f....ton. No prices

Dibutylamine, dms., c.l., works, lb. .60 - —
l.c.l. lb. .61 - .63
tanks, works lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd lb. .19 - —
l.c.l., dlvd lb. .19½- —
tanks, dlvd lb. .18 - —
cns., works lb. .23½- .26½
Sebacate, dms., works lb. .45 - .47
Tartrate, dom., dms lb. .60 - —
Dicalcium phosphate (See Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
tanks, works lb. .14 - —
Dichloropentane dms., c.l., works, lb. .0221- —
l.c.l. lb. .04 - —
tanks lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works lb. .24½- —
tanks, works lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms. lb. .25 - —
refd., 99%, dms lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd lb. .27 - —
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. lb. .19½- —
tanks lb. .18 - —
Sulphate, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks lb. .12 - —
Diethylaniline, dms lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works lb. .15½- —
Monobutylether, dms., works lb. .22½- .24½
Monoethylether, dms., c.l., works lb. .14½- —
l.c.l., works lb. .15½- —
tanks, works lb. .13½- —
Digitalis leaves, dms lb. .35 - .40
Diglycol, laurate, c.l. lb. .16 - —
Oleate, light, bbls., c.l. lb. .17 - —
Stearate, bbls., c.l. lb. .22 - —
Di-isobutyl ketone, dms., works lb. .19 - —
Dillseed, recleaned, bgs lb. .11½- .12
Dimethyl phthalate, dms., c.l., dlvd lb. .18½- —
l.c.l., dlvd lb. .19 - —
tanks, dlvd lb. .17½- —
Dimethylaniln, dms., c.l. lb. .23 - —
l.c.l., dms lb. .24 - —
Dimethylamine, dms., c.l., dlvd lb. 1.00 - —
l.c.l., dlvd lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min. lb. .18 - —
Dinitrochlorobenzene, dms. lb. .14 - —
Dinitronaphthalene, kgs lb. .35 - .38
Dinitrophenol, bbls lb. .22 - —
Dinitrotoluene, dms lb. .15½- —
oily, dms lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd lb. .44 - —
600-1,950 lbs., dlvd lb. .46 - —
150-450 lbs., dlvd lb. .47 - —
Dioxan, dms., c.l., frt. alld. lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms gal. .47 - .50
tanks gal. .41 - —
dest., dist., dms gal. .45 - .48
tanks gal. .38 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .50 - .55
Diphenylamine, bbls lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd lb. .35 - —
600-1,950 lbs., dlvd lb. .36 - —
150-450 lbs., dlvd lb. .37 - —
Diphenylmethane, bots lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian ton. 33.00 - —
Venezuelan ton. 35.00 - —
Doggrass root, cut, N.F., bls. lb. .60 - .65
Dogwood bark, Jamaica, bls. lb. lb. .08 - .10
Dovers powder, USP, cns lb. 2.75 - 2.80
Dragon's blood, mass, cs lb. .65 - .85
reeds, cs lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1 cns. lb. 13.50 - —
FD&C blue, No. 2, cns. lb. 13.50 - —
FD&C green, No. 2, cns. lb. 17.50 - —
FD&C green, No. 3, cns. lb. 27.50 - —
Green, FD&C green, No. 1, cns. lb. 13.50 - —
Orange, FD&C orange, No. 1, cns. lb. 2.90 - —
FD&C orange, No. 2, cns. lb. 3.65 - —
Red, FD&C red, No. 1, cns. lb. 6.00 - —
FD&C red, No. 2, cns. lb. 3.15 - —
FD&C red, No. 3, cns. lb. 17.50 - —
FD&C red, No. 4, cns. lb. 5.75 - —
FD&C red, No. 32, cns. lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns. lb. 3.50 - —
FD&C yellow, No. 3, cns. lb. 2.65 - —
FD&C yellow, No. 4, cns. lb. 2.65 - —
FD&C yellow, No. 5, cns. lb. 3.15 - —
FD&C yellow, No. 6, cns. lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1 lb. 3.35 - —
Blue, D&C blue, No. 6 lb. 13.50 - —
Brown, D&C brown, No. 1, cns. lb. 12.35 - —
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C green, No. 6, cns. lb. 12.35 - —
Orange, D&C orange, No. 3, cns. lb. 3.35 - —
D&C orange, No. 4, cns. lb. 15.35 - —
D&C orange, No. 10, cns. lb. 15.35 - —
D&C orange, No. 11, cns. lb. 17.35 - —
Red, D&C red, No. 5 lb. 6.00 - —
D&C red, No. 17 lb. 3.35 - —
D&C red, No. 18 lb. 18.35 - —
D&C red, No. 19, cns. lb. 15.35 - —
D&C red, No. 22, cns. lb. 3.35 - —
D&C red, No. 33 lb. 15.35 - —
D&C red, No. 37, cns. lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 3.35 - —
D&C yellow, No. 8, cns. lb. 3.35 - —
D&C yellow, No. 11 lb. 10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns. lb. 12.35 - —
Green, Ext.D&C green, No. 1, cns. lb. 12.35 - —
Red, Ext.D&C red, No. 1, cns. lb. 10.35 - —
Ext.D&C red, No. 3 lb. 21.35 - —
Ext.D&C red, No. 8 lb. 7.35 - —
Ext.D&C red, No. 10, cns. lb. 12.35 - —
Ext.D&C red, No. 13, cns. lb. 12.35 - —
Yellow, Ext.D&C yellow, No. 1, cns. lb. 3.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G lb. .65 - .70
40 Chrome yellow R lb. .50 - 1.00
53 Victoria violet lb. .80 - 1.00
165 Lake red C lb. .70 - .80
170 Fast red A lb. .56 - .60
180 Fast red VR lb. 1.50 - 1.60
189 Lake red R, paste lb. .85 - .90
189 Lake red R, powd lb. 3.00 - 3.10
Sulphur tan lb. .30 - .50
202 Chrome blue black U lb. .32 - .40
204 Chrome black A lb. 1.75 - 2.00
208 Fast red blue R lb. .75 - 2.00
216 Chrome red B lb. 1.75 - 2.00
262 Cloth red 2B lb. .60 - .80
289 Fast cyanin 5R lb. .90 - 1.00
299 Chrome black F lb. .60 - .65
307 Fast cyanin black B lb. .80 - .85
326 Direct cast scarlet lb. 2.00 - 2.25
304 Paper yellow lb. .85 - .90
365 Chrysophenin G lb. .56 - .70
394 Direct violet N lb. 1.25 - 1.35
882 Direct scarlet B lb. 1.50 - 1.75
387 Direct violet B lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B lb. .25 - .30
415 Direct orange R lb. .60 - .70
419 Direct fast red F lb. .75 - .85
420 Direct brown M lb. 1.00 - 1.10
448 Benzo purpurin 4B lb. .40 - .42
495 Benzo purpurin 10B lb. .40 - .50
502 Direct azurin G lb. .75 - .90
512 Direct blue RD lb. .80 - 1.00
518 Direct pure blue 6B lb. 1.10 - 1.25
520 Direct pure blue lb. .50 - 1.00
529 Direct fast black, FF lb. .55 - 1.00
581 Direct black EW lb. .25 - .50
582 Direct black RX lb. .35 - .40
593 Direct green B lb. .75 - .80
594 Direct green G lb. 1.00 - 1.05
596 Direct brown 3GO lb. .85 - 1.00
620 Direct yellow R lb. 1.25 - 1.50
698 Acid violet lb. 1.00 - 3.00
812 Primulin lb. .50 - .52

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
814 Direct fast yellow lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste lb. .15 - .18
Benzo fast black L lb. .90 - 1.00
Sulphur black lb. .20 - .25
Sulphur blue lb. .40 - 1.00
Sulphur brown lb. .25 - .50
Sulphur maroon lb. .40 - —
Sulphur olive lb. .25 - .54
Sulphur yellow lb. .30 - .50
Zambesi black lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives lb. .38 - .63
Blue:—
1075 Alizarin astrol base lb. 15.00 - —
1078 Alizarin cyanin green base lb. 6.00 - —
Browns:—
Brown lb. 1.15 - —
Green:—
1078 Alizarin cyanin green lb. 5.00 - —
Green lb. .75 - —
Orange:—
24 Sudan I lb. .75 - —
Orange, red shade lb. .75 - —
Red:—
75 Sudan II lb. 1.05 - —
258 Sudan IV lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1060 Anthraquinone violet base lb. 6.00 - —
680 Oil violet lb. .50 - —

Dibutylamine—Dyes

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Yellow:—
15 Amidoazobenzene yellow lb. .80 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin lb. .38 - .44
Blue:—
860 Indulin lb. .60 - .70
Brown:—
331 Bismarck brown lb. 1.50 - —
Green:—
637 Malachite green base lb. 2.00 - —
Orange:—
20 Chrysoidin G lb. .95 - —
21 Chrysoidin R lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine lb. 2.00 - —
800 Chinolin yellow SS lb. 2.00 - —
Violet:—
680 Methyl violet base lb. .85 - —

They Started Something!

THE EXPERIMENTS of Sir Humphrey Davy were of inestimable importance in the course of industrial progress, in the relief of suffering, and in the preservation of life. When he first prepared metallic sodium by the electrolysis of alkalis, he gave industry a new raw material which today is constantly finding wider application. His discovery of the effects of nitrous oxide eventually paved the way for the development of anesthesia and gave science a potent weapon in the war against pain. Countless lives were saved when he found that a cylinder of wire gauze surrounding a flame prevents the flame from igniting explosive gases. This was the principle of the safety lamp that substantially reduced explosion hazards in the mining industry.

Both industrial progress and human health benefited immeasurably also from the work of the EBG engineers who first made Liquid Chlorine commercially available in America. EBG Liquid Chlorine gave municipal health authorities a new and effective method for controlling the spread of water-borne diseases, for assuring the purity of water supplies —and more recently for sterilizing sewage as an added safeguard to public health. The manufacturers of paper and textiles were enabled to set new standards of efficiency and economy through the use of EBG Liquid Chlorine as a bleaching agent. Pioneers in Liquid Chlorine production, EBG engineers have long experience in its manufacture and servicing — experience that works for you when you specify EBG Liquid Chlorine.

The first cylinder of Liquid Chlorine made by EBG in 1909.

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N.Y.
Plant: Niagara Falls, N.Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

Dyes—Fustic Extract

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S..lb. .50 - —
873 Methylene gray.....lb. 1.50 - —

Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .57 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1189 Indigotin IA.....lb. .85 - —

Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
232 Bismarck brown R....lb. .50 - .62
793 Phosphin .....lb. 4.05 - —

Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
.37 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —

Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
81 Amidonaphthol red G..lb. .42 - —
87 Amidonaphthol red 6B, lb. .62 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .76
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .66 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
766 Eosin G.....lb. 1.50 - —
941 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
698 Acid violet 4BN.....lb. .58 - —

Yellow:—
10 Naphthol yellow S....lb. .58 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
658 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

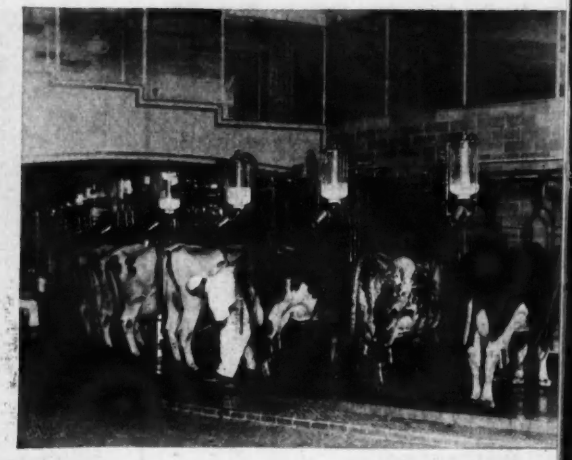
E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .61
imported .....lb. .54 - .57
Elder flowers, bright, bls.....lb. .55 - .60
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 oz.....oz. .85 - —
tins, 100 ozs.....oz. .95 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.70 - 1.75
Eserine, bots.....oz.50.00 -60.00
Salicylate, bots.....oz.42.00 -54.00
Sulphate, bots.....oz.42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd..... ...lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works....lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
95-98%, dms., c.l., frt. alld.lb. .07¾- —
l.c.l., frt. alld.....lb. .08¼- —
tanks, frt. alld.....lb. .06¾- —
N.F., 460-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14½- —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .53
Butyrate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .36 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .29½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
5,000 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld., lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .53 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l., works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
Monobutylether, tanks, works. lb. .15½- —
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidenanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .08 - .09

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
Indian, bgs.....lb. .13½- .14
French, bgs.....lb. .85 Nom.
German, large, bgs.....lb. .83 Nom.
Roumanian, bgs.....lb. .14 - .14½
Fenugreek seed, bgs.....lb. .05½- .05½
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal.16.00 -16.50
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 3.25 Nom.
meal, bgs., f.o.b. Balto....ton.54.00 Nom.
6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.50 & .50
Sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Dec. shipt..ton. No prices
spot..ton. No prices
Flake white, dom., bbls.....lb. .08¾- —
kegs .....lb. 10¾- —
Flaxseed, French, black, bgs....lb. .55 - .60
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines.net ton.20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.20.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton.15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17¼- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms. incl., dlvd., lb. .18 - .17¼
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10¼- .14
solid, dms.....lb. 19 - 21

Life ON THE CHEMICAL NEWSFRONT



(Above) HIGHER MILK YIELD and faster growth may result wh cows are fed on a diet containing urea, it is indicated by rec investigations. The urea provides a source of essential nitrog and may be used to replace part of the protein ordinarily requir

(Above) KHAKI UNIFORMS for first U.S. pea time conscript army, are carefully made meet rigid inspection. Photo shows set-up straight-line production at the plant of Schwarz Company. In dyeing of governm shades on wool, Calcochrome Yellow CO supplies the yellow component with co plete satisfaction, offers advantages of fle bility and economy. And for mineral kh shades to meet government specification dyeing of canvas and other fabrics, Cya mid offers Black Iron Liquor and Acet of Chrome. Complete information on th products is available on request.

(Left) RESINS FOR PAINTS were featured the Cyanamid booth at the Paint Indus Show recently held in connection with 52nd Annual Convention of the Natio Paint, Varnish and Lacquer Associati Cyanamid's line of products for the pa industry has been expanded by the prod tion of MELAMAC® Resins. Baking enam formulated with MELAMAC Resins sh striking advantages in speed of cure, ha ness, gloss and color retention at high temp atures, outdoor durability, chemical stabil

G

G salt, bbls.	lb.	.45 - —
Galangal root, bls.	lb.	.11 - .12
Gambier, common, cases.	lb.	.06½- .07
plantation, cases.	lb.	.10 - .10½
Cubes, Singapore, cases.	lb.	.08¼- .08¾
extract, bbls.	lb.	.09½- .12
Gasoline at refinery:—		
Bayonne, US motor, below 65 octane, tanks.	gal.	.05 - .05¾
65 octane and above, tanks,	gal.	.06 - .06¼
California (f.o.b. San Francisco), regular, trucks, tax incl.	gal.	.13½- —
Gulf Coast, US Motor, bulk,	gal.	.05¼- —
60-62, 290 e.p., bulk, export,	gal.	.05¼- —
63-67, 375 e.p., bulk, export,	gal.	.05½- —
70-72, 400 e.p., bulk, export,	gal.	.06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.04¼- .04⅝
63-66 octane, tanks.	gal.	.04¼- .04½
67-69 octane, tanks.	gal.	.04½- .04⅝
72-74 octane, tanks.	gal.	.04¾- .05
Oklahoma-Texas, US motor, 62 octane and below, tanks.	gal.	.03½- .03⅝
third grade, tanks.	gal.	.03½- .03⅝
63-66 octane, tanks.	gal.	.03⅝- .04½
67-69 octane, tanks.	gal.	.03⅝- .04
70-72 octane, tanks.	gal.	.04¼- .04½
natural, 18-55, tanks.	gal.	.02⅝- .02⅝
26-70, tanks.	gal.	.02 - .02¼
Gelatine, silver, cs.	lb.	.60 - .67
Gelsemium root, bls.	lb.	.14 - .15
Gentian root, bls.	lb.	.27 - .28
grd., bbls., bxs.	lb.	.31 - .32
powd., bbls., bxs.	lb.	.32 - .33
Geraniol, egs., dms.	lb.	.60 - 3.00
Ginger, African, No. 1, bgs.	lb.	.06½- .07
Cochin, lemon, bgs.	lb.	.10 - .10¼
Jamaica, bold, bgs.	lb.	.12½ Nom.
medium, bgs.	lb.	.11 Nom.
grinding, bright, bgs.	lb.	.09½ Nom.
Japanese, bgs.	lb.	No stocks
Ginseng root, wild Southern, cs.	lb.	12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).		
cryst., dom., bgs., bbls., c.l., works.	100 lbs.	.95 - 1.15
5 tons or over, works,	100 lbs.	1.05 - 1.25
less than 5 tons, works,	100 lbs.	1.15 - 1.35
import, bgs.	100 lbs.	No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd.	lb.	.13½- —
l.c.l., dlvd.	lb.	.14 - —
36/58 bgs., c.l., dlvd.	lb.	.13 - —
l.c.l., dlvd.	lb.	.13½- —
58/82, bgs., c.l., dlvd.	lb.	.14½- —
l.c.l., dlvd.	lb.	.15 - —
82/108 millipoise, bgs., c.l., dlvd.	lb.	.15 - —
l.c.l., dlvd.	lb.	.15¼- —
Hide, calcimine, type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd., East Middlewest.	lb.	.15 - —
l.c.l., same basis.	lb.	.15¼- —
60/164, bgs., c.l., same basis,	lb.	.16¼- —
l.c.l., same basis.	lb.	.17 - —
Glue, hide, calcimine type, 67/122, bgs., c.l., same basis.	lb.	.17½- —
l.c.l., same basis.	lb.	.18 - —
75/222, bgs., c.l., same basis.	lb.	.20½- —
l.c.l., same basis.	lb.	.21½- —
88/251, bgs., c.l., same basis,	lb.	.21½- —
l.c.l., same basis.	lb.	.23¼- —
92/283, bgs., c.l., same basis,	lb.	.22¼- —
l.c.l., same basis.	lb.	.23½- —
102/315, bgs., c.l., same basis.	lb.	.23½- —
l.c.l., same basis.	lb.	.24 - —
113/347, bgs., c.l., same basis.	lb.	.24 - —
125/379, bgs., c.l., same basis.	lb.	.25 - —
l.c.l., same basis.	lb.	.26 - —
Glue prices for barrel packing, ¼c. higher; grinding charge, 20-40 mesh, ¼c. lb.; 60 mesh, 1c. lb.		lb.
Glycerin, CP, cns., l.c.l.	lb.	.14½- .15
dms., c.l., dlvd.	lb.	.12½- —
l.c.l., dlvd.	lb.	.13 - —
tanks, dlvd.	lb.	.12¼- —
dynamite, dms.	lb.	Nominal
high gravity, dms., c.l., dlvd.	lb.	.12 - —
l.c.l., dlvd.	lb.	.12½- —
tanks, dlvd.	lb.	.11⅝- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.	lb.	.09½- —
l.c.l., same basis.	lb.	.10½- —
tanks	lb.	.08¼- —

G Salt—Gum, Copal

Glycerin, saponification, basis 88%, for refiners, dms., returnable, tanks, dlvd.	lb.	.08½- .08¾
soaplye, basis 80%, dms., tanks, returnable, dlvd.	lb.	.07¼- .07⅝
Glycine, medicinal, bbls., tins.	lb.	1.70 - 2.00
Glycol boriborate, dms.	lb.	.22 - —
Phthalate, dms.	lb.	.55 - —
Stearate, dms.	lb.	.26 - —
Gold, U.S. purchase price.	oz.	35.00 - —
Chloride, acid brown, bots.	oz.	20.75 -21.00
yellow, bots.	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.,	oz.	12.00 - —
USP IX, bots.	oz.	14.50 -14.75
Gold of pleasure, seed, bgs.	lb.	.16 - .16½
Goldenseal, root, bls.	lb.	2.65 - 2.70
powd., bxs.	lb.	2.95 - 3.00
Grains of paradise, bgs.	lb.	.46 - .48
Graphite, flake (cryst.), 50%, 325 mesh, 50% graphitic carbon, bgs., c.l., works.	lb.	.06 - —
bbls., c.l., works.	lb.	.06¼- —
l.c.l., works.	lb.	.06½- —
amorph., powd., 90%, 325 mesh, 85% graphite carbon, bgs., c.l., works.	lb.	.02½- —
bbls., c.l., works.	lb.	.02⅝- —
l.c.l., works.	lb.	.03¼- —
80% graphitic, carbon, bgs., c.l., works.	lb.	.03½- —
bbls., c.l., works.	lb.	.03⅝- —
l.c.l., works.	lb.	.04½- —
Grease, house, loose.	lb.	.04¼- Nom.
white	lb.	.04½ Nom.
yellow	lb.	.04¼ Nom.
Wool (see Adeps lanae and Degras).		
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.21 - —
6-10%, bbls., same basis.	lb.	.22 - —
11-15%, bbls., same basis.	lb.	.23 - —
16-20%, bbls., same basis.	lb.	.23½- —
21-25%, bbls., same basis.	lb.	.24 - —
26-30%, bbls., same basis.	lb.	.24½- —
31-35%, bbls., same basis.	lb.	.25½- —
36-40%, bbls., same basis.	lb.	.27 - —
41-45%, bbls., same basis.	lb.	.28½- —
46-50%, bbls., same basis.	lb.	.30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
reduced, CP, color content up to 5%, same basis.	lb.	.06 - —
6-10%, bbls., same basis.	lb.	.06⅝- —
11-13%, bbls., same basis.	lb.	.07¼- —
14-16%, bbls., same basis.	lb.	.07½- —
17-19%, bbls., same basis.	lb.	.07⅝- —
20-21%, bbls., same basis.	lb.	.08 - —
22-23%, bbls., same basis.	lb.	.08¼- —
24-25%, bbls., same basis.	lb.	.08½- —
26-27%, bbls., same basis.	lb.	.08⅝- —
28-29%, bbls., same basis.	lb.	.09¼- —
30-31%, bbls., same basis.	lb.	.10 - —
32-33%, bbls., same basis.	lb.	.11¼- —
34-35%, bbls., same basis.	lb.	.12½- —
36-40%, bbls., same basis.	lb.	.14½- —
41-45%, bbls., same basis.	lb.	.16¼- —
46-50%, bbls., same basis.	lb.	.16⅝- —
51-55%, bbls., same basis.	lb.	.17¼- —
56-60%, bbls., same basis.	lb.	.17⅞- —
61-65%, bbls., same basis.	lb.	.18¼- —
66-70%, bbls., same basis.	lb.	.18¼- —
71-75%, bbls., same basis.	lb.	.20¼- —
Oxide, dom., pure, bbls.	lb.	.25 - —
ceramic, light shades, bbls., c.l., works.	lb.	.25 - —
l.c.l., works.	lb.	.30 - —
standard grade, bbls., works.	lb.	.21 - .23
Tetrahydroxide, bbls.	lb.	.68 - —
Paris (see P).		
Tungstated, brilliant, kgs.	lb.	2.50 - —
emerald, kgs.	lb.	2.35 - —
Verdigris (see V).		
Green dyes are listed under Dyes.		
Grindelia robusta, bls.	lb.	.09 - .10
Guaiac resin, cs.	lb.	.30 - .35
strained, cs.	lb.	.80 - .85
Wood, bls.	lb.	.04 - .05
Guaiacol, liq., dms.	lb.	1.65 - 1.67
Carbonate, fib. dms., 25 lbs.	lb.	2.40 - 2.74
Guarana powd., cs.	lb.	1.20 - 1.25
Gum, aloe (see A).		
Ammoniac, tears, cs.	lb.	.85 - .90
Arabic, amber, sorts, cleaned, bgs.	lb.	.14 - .15
white, sorts, 1, bgs.	lb.	.35 - .36
powd., bbls.	lb.	.18 - .20
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, Siam, cs.	lb.	1.65 - 1.75
Sumatra, cs.	lb.	.19 - .20
Camphor (see C).		
Chicle, prime, 23% moisture, bgs., ton lots.	lb.	No price
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran.	lb.	.40½- —
Gum, copal, dammar, elemi, kauri, mastic, sanderac, and yucca gums prices on 30,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.		
Copal, Congo, 2, water white, bgs., c.l., same basis.	lb.	.29½- —
3, selected pale straw bold, bgs., c.l., same basis.	lb.	.24½- —
4, pale bold straw, bgs., c.l., same basis.	lb.	.24 - —
5, pale straw bold, bgs., c.l., same basis.	lb.	.23⅝- —
6, pale amber bold, bgs., c.l., same basis.	lb.	.21½- —
7, pale straw bold, bgs., c.l., same basis.	lb.	.17 - —
8, light amber bold, bgs., c.l., same basis.	lb.	.17 - —
9, medium light amber bold, bgs., c.l., same basis.	lb.	.13½- —

(*Above*) **PHOTOGRAPHIC USERS** of Red Prussiate of Potash now have a domestic source of supply in Cyanamid's REDSOL** CRYSTALS, (Potassium Sodium Ferricyanide) which replace the imported product in all uses—with a saving in amount needed.

(*Above*) **NEW PLANT ADDITIONS** at Cyanamid's Kalamazoo Plant give extra capacity for the production of wax sizes and casein. Located in the heart of Michigan's paper manufacturing area, the new units provide a convenient source for these widely used paper chemicals.

(*Above*) **SCULPTRESS OF TIRE TREADS** is the unique occupation of Miss Chloe De Long, shown with one of her tire models. Every tire design made by Firestone is first modeled by Miss De Long, as a prelude to executive approval before the design is released for production.

(*Above*) **CHRISTMAS SEASON** brings its annual boom in the toy industry, and with it an increased demand for chemicals. With its wide use of paints, leather, rubber, and plastics, the toy industry is indirectly a major consumer of chemicals.

AMERICAN CYANAMID & CHEMICAL CORPORATION
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA NEW YORK, N. Y.
**Trade-mark of American Cyanamid Company

Gum, Copal—Lecithin

Gum, copal, Congo, 10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13½- —
11, hard dark amber bold, bgs., c.l., same basis.lb. .12½- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23½- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10½- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18½- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18½- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13½- —
21, ordinary selected nubs, c.l., same basis..lb. .12½- —
22 small mixed nubs, bgs., same basis..lb. 10½- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11½- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17½- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10½- —
27, pale small nubs., bgs., c.l., same basis..lb. .10½- —
28, pale dust, bgs., c.l., same basis..lb. .06½- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05½- —
dust, bgs., c.l., same basis, lb. .05½- —
nubs and chips, bgs., c.l., same basis..lb. .05½- —
black, bold, scraped, bgs., c.l., same basis..lb. .09½- —
unscraped, bgs., c.l., same basis..lb. .05½- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .12½- —
chips, bgs., c.l., same basis, lb. .06½- —
dust, bgs., c.l., same basis. lb. .05½- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15½- —
chips, bgs., c.l., same basis. lb. .08½- —
dust, bgs., c.l., same basis, lb. .05½- —
nubs, bgs., c.l., same basis. lb. .11 - —
Manila, Boeas, amber and dark, bakts., c.l., same basis..lb. .13½- —
Night, bakts., c.l., same basis..lb. .15½- —
Loba A, bakts., c.l., same basis..lb. .11½- —
B, bakts., c.l., same basis. lb. .11½- —
C, bakts., c.l., same basis. lb. .11¼- —
CNE, bakts., c.l., same basis..lb. .08½- —
D, bakts., c.l., same basis. lb. .12½- —
DK, bakts., c.l., same basis. lb. .08 - —
dust, bakts., c.l., same basis..lb. .08 - —
Sambas and white split chips, bakts., c.l., same basis..lb. .15½- —
Singapore, dust, bakts., c.l., same basis..lb. .08 - —
Spirit-soluble, CBB, bakts., basis..lb. .10½- —
DBB, bakts., c.l., same basis..lb. .10 - —
MA, bakts., c.l., same basis. lb. .07½- —
MB, bakts., c.l., same basis. lb. .07¼- —
WS, bakts., c.l., same basis. lb. .10 - —
A/D, cs., c.l., same basis. lb. .13½- —
Philippine, Manila, amber sorts, bakts., c.l., same basis..lb. .08 - —
chips, pale, bakts., c.l., same basis..lb. .11½- —
pale, small, bakts., c.l., same basis..lb. .09 - —
extra pale sorts, bakts., c.l., same basis..lb. .10½- —
nubs, bakts., c.l., same basis..lb. .13½- —
pale, scraped, bakts., c.l., same basis..lb. .14½- —
seeds and dust, bakts., c.l., same basis..lb. .08½- —
Pontianak, bold, genuine bgs., same basis..lb. .15½- —
mixed, bgs., c.l., same basis. lb. .14½- —
split, bgs., c.l., same basis. lb. .13½- —
chips, bgs., c.l., same basis. lb. .10 - —
nubs, bgs., c.l., same basis. lb. .12½- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21½- —
A/C, cs., c.l., same basis.lb. .15¼- —
A/E, cs., c.l., same basis.lb. .12½- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14½- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis.lb. .07½- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16½- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis.....lb. .07½- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07½- —
seeds, cs., c.l., same basis.lb. .09½- —
Elemi, cns., c.l., same basis as copal..lb. .06½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md. 75,000 lbs., contrs. or single shipt., 10,000 lbs. .....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., Western N.Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l. lb. .06¾- .07

Gum, ester, dlvd. elsewhere, 75,000 lbs., contrs. or straight c.l..lb. .07 - .07½
l.c.l. same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
90%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 2.00 - 2.10
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 2.00 - 2.05
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks.....lb. .50 - .65
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 3.50 - 3.75
2 cs.....lb. 3.35 - 3.60
3 cs.....lb. 2.90 - 3.10
Yacca, bxs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.60 - —
Harlem River, N. Y., frt. equald..ton.18.00 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.60 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of Paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt.equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.18.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bags, c.l., f.o.b. Acme, Tex.; Akron, N.Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southerd, Okla.; Sweetwater, Tex., frt. equald., ton. 6.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .30 - .35
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06½- .07¼
Henbane leaves, bls.....lb. 1.75 Nom.
Henna, leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 5..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexaldenyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works.....lb. .25 - —
Homatropine hydrobromide, 25 oz. bots..oz.15.00 -15.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.25 - 2.50
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .15 - .16
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, both., 4 oz...oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. 100 vols., cbys., E. of Miss. River; West Coast via Panama canal..lb. .03¾- .04
Hydroquinone, dealers, bbls., dms., lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.65.00 -75.00
Hydrochloride, bots.....oz.65.00 -75.00
Hyoscyamine, bots.....oz.21.25 -22.25
Hydrobromide, bots.....oz.21.25 -22.25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext. liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.15 - 1.20
powd., bxs.....lb. 1.30 - 1.35
Irish moss, ordinary, bls.....lb. .23 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .13 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs., works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-bl. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .36
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .36
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs...lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55 - gal. dms., works..lb .069 - —
tanks, works.....lb. .059 - —
Propionate, dms., works.....lb. .09 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. alld..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. allo., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .28 - .30
powd., bbls., bxs.....lb. .30 - .32
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .60 - .80

K

Kamala, tins.....lb. .32 - .33
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0510- .0550
California (f.o.b. San Francisco), truck..gal. .11¼- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅞- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¼
42-44 w.w., tanks.....gal. .04½- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .04⅞- .05⅛
46 w.w., tanks.....gal. .04⅞- .05⅛
47 w.w., tanks.....gal. .05 - .05⅛
Kerosene distillate (see Oil, furnice).
Kieserite, cal., 96-96% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 5.65 - 5.75
Middlewestern, trcs....100 lbs. 5.10 - 5.20
Neutral, trcs.....100 lbs. 6.75 - 7.00
Western, choice, trcs..100 lbs. 5.20 - 5.30
Compound, trcs.....100 lbs. 8.00 - 8.25
Larkspur seed, bgs.....lb. 1.25 - 1.30
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .27 - .28
Turkish, bls.....lb. No stocks
Lavender flowers, ordinary, bls.lb. .55 - .60
medium, bls.....lb. .60 - .65
select, bls.....lb. .70 - .75
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11⅝- —
powd., bbls.....lb. .11⅝- —
Arsenate, bgs., c.l.....lb. .09½- —
l.c.l., bgs.....lb. .10 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06⅛- —
dlvd. Ariz., Cal., Col. Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, powd., bbls., tech..lb. .23 - —
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09- —
other points.....lb. .08½- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc...lb. .08½- —
other points.....lb. .08¾- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
98%, Pb_3O_4, bbls., c.l. (20 tons, dlvd., Ala., etc...lb. .08¾- —
other points.....lb. .08½- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs..lb. .12½- —
Resinate, fused 15%, bbls...lb. .09¼- —
pale, bbls.....lb. .11¼- —
Silicate, bgs., 5 tons.....lb. 6.38 - —
smaller lots.....lb. 6.80 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. alld., lb. .10½- —
Pac Cst., ex whse...lb. .10½- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash and Wyo..lb. .07½- —
other points.....lb. .07¼- —
l.c.l., dlvd., Ariz., etc..lb. .07⅝- —
other points.....lb. .07½- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
l.c.l., dlvd., Ariz., etc...lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers.....lb. .10¾- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l. same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l. same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .49 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .12 - .13
select, bdls., cs.....lb. .50 - .60

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —

hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —

spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08½
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .16
Zone 3, tanks, dealers .dlvd., gal. .07¼- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .06 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.80
Linalyl acetate, cns.....lb. 1.75 - 3.00
Linden flowers, with leaves, bls.lb. .42 - .45
without leaves, bls.....lb. .48 - .50
Linseed cake, bgs., export...ton.21.00 - —
meal, bgs.....ton.27.00 -28.00

Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Other points.....lb. .07 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
Other points.....lb. .07½- —
smaller lots, dlvd., Ala..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
Other points.....lb. .08 - —

Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —

Lithopone, titanated (high-strength), bgs., c.l., (20 tons)..lb. .05 - —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)..lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .14 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.75 - 5.00

M

Mace, Banda, cs.....lb. .45½- .46
Batavia, cs.....lb. .23 - .23½
Siauw, cs.....lb. .30 - .31
West Indian, cs.....lb. .31 - .32
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
Magnesia, carbonate, tech., Zone 1, l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09¾- —
bbls.....lb. .09½- —
kgs.....lb. .10½- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I. N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, frt., equald., with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls..lb. .23 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —

Lemon Peel—Manganese Diox.

Magnesium, hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .23 - —
l. lots.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
cs., 500-lb. lots.....lb. .53 - —
100-lb. lots.....lb. .55 - —
5-lb cns.....lb. .73 - —
Magnesite, cal., dom., bgs....ton.65.00 -70.00
imports, bgs., duty paid...ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton.22.00 -25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
¼ 4 tons, works....ton.77.00 - —

Salesmen without salary

Smartly designed cans, handsomely lithographed in attractive color combinations, serve as salesmen without salary for your product. They are good, steady salesmen, too. They give you representation in thousands of stores. They are a constant reminder in the shop and in the home.

Crown offers an extremely helpful art service in the development of containers with better package design—greater sales appeal.

Many firms have already taken advantage of this practical aid to better merchandising.

CROWN CAN COMPANY, PHILADELPHIA, PA.
Division of Crown Cork and Seal Company

BALTIMORE ST. LOUIS HOUSTON MADISON ORLANDO
FORT WAYNE NEBRASKA CITY

CROWN CAN
INDEPENDENT AND HELPFUL

Manganese Diox.—Oil, Fennel

Manganese dioxide, Caucasian, 85-90%, bbls., c.l., works, ton 74.00 - —
l.c.l., 5 tons, works ton 77.00 - —
smaller lots, works ton 82.00 - —
burlap, bgs., c.l., works, ton 71.75 - —
l.c.l., 5 tons, works ton 74.75 - —
smaller lots works ton 79.75 - —
paper bgs., c.l., works ton 70.00 - —
l.c.l., 5 tons, works ton 73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots lb 2.90 - —
smaller lots lb 3.00 - —
cns. 25 lbs lb 3.12 - —
Hydrate, bbls., dlvd lb .62 - —
Iodide, bots., 5 lbs lb 5.55 - —
jars, 25 lbs lb 5.70 - —
Linoleate, liquid, 6%, dms. lb .18 - .19½
solid, precip., 8.2%, bbls. lb .19 - —
Ore, Cuban, 51-52%, basis Atl. ports unit-ton .71 Nom.
Resinate, fused, 8 %, bbls. ton .08¼- .08½
precip., dms. lb .12 - —
Sulphate, anhyd., ton lots, works lb .10½ - —
single bbls., works lb .10¾ - —
fertilizer, 65%, $MnSO_4$ bgs., c.l., dlvd., South. ton 57.00 - —
l.c.l., bgs ton 65.00 -75.00
Mangrove bark, bgs., shipt ton 34.00 - —
Manna flake, large, cs lb 2.00 Nom.
small, cs lb 1.80 Nom.
Mannitol, com'l grade, bbls., ton lots, works lb .38 - —
smaller lots, works lb .45 - —
reagent grade, 50 lb. cs., or multiples, works lb .90 - —
Marble flour, bgs ton 12.00 -14.00
Marjoram, French, No. 1 lb .50 - .52
Tunisan, bls lb .33 - .35
Chilean lb .13 - .14
Matico leaves, bls lb .22 - .25
Menthol, USP, natural, cs lb 3.45 - 3.55
synthetic, tech., cs lb 2.50 - —
USP, cs lb 3.25 - —
liquid, dms., 50 lbs lb 1.50 - —
Menthyl salicylate, tins, 100-lb. lots lb 3.00 - —
25-lb. lots lb 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs lb 1.44 - —
25 lbs lb 1.46 - —
50%, pails, 50 lbs lb 2.09 - —
25 lbs lo 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots lb 3.02 - —
100-lb. fib. dms lb 2.89 - —
25-lb. jars lb 2.91 - —
Chloride (see Calomel).
Cyanide, cryst lb 4.00 - 4.05
powd. lb 4.05 - 4.10
Iodide, red, NF, 5-lb. bots lb 4.71 - —
100-lb. fib. dms lb 4.60 - —
yellow, 5-lb. bots lb 4.61 - —
fib. dms., 100 lbs lb 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls. lb 2.66 - —
USP, fib. dms., 50 lbs. or more lb 3.18 - —
Mercury and chalk, 5 lb. otns lb 1.93 - —
25-lb. fib. dms lb 1.86 - 1.88
Mesityl oxide, cns., works lb .20½ - —
dms., c.l., dlvd lb .16 - —
l.c.l., dlvd lb .16½ - —
tanks, dlvd lb .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in. pkg 1.50 - 1.75
composition, 5½x5½ in. pkg 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in. pkg 15.25 -15.75
3⅜x3⅜ in. pkg 16.15 -17.50
4x4 in. pkg 19.50 -20.00
3⅜x5½ in. pkg 22.50 -23.00
3⅜x5½ in. pkg 24.50 -25.00
silver, 3⅜x3⅜ in. pkg 2.75 - 2.85
Metanitroparatoluidin, bbls. lb 1.05 - 1.10
Metaphenylenediamine, kgs. lb .65 - —
Metatoluylenediamine, kgs. lb .65 - —
Methanol, natural, producer group A, denat., grade, tanks gal .40 - —
97%, tanks gal .30 - —
95%, tanks gal .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

natural, producer group B, pure, tanks, frt. alld. Zone 1 gal .30 - —
Zone 2 gal .32 - —
Zone 3 gal .34 - —
Zone 4 gal .34½ - —
dms., c.l., Zone 1 gal .35½ - —
Zone 2 gal .37½ - —
Zone 3 gal .39½ - —
Zone 4 gal .41½ - —
l.c.l., Zone 1 gal .38 - —
Zone 2 gal .45½ - —
Zone 3 gal .42 - —
Zone 4 gal .53½ - —

95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld. gal .35½ - —
2, frt. alld. gal .37½ - —
3, frt. alld. gal .39½ - —
4, frt. alld. gal .41½ - —
l.c.l., Zone 1, frt. alld. or dlvd. gal .38 - —
2, frt. alld. or dlvd. gal .45½ - —
3, dlvd., S. F. and L. A., gal .42 - —
4, frt. alld. or dlvd. gal .53½ - —
tanks, Zone 1, frt. alld. gal .30 - —
2, frt. alld. gal .32 - —
3, frt. alld. gal .34 - —
4, frt. alld. gal .34½ - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R. lb .10¼ - —
W. of Miss. R. lb .11½ - —
l.c.l., dms., dlvd. E. of Miss. R. lb .11 - —
W. of Miss. R. lb .12 - —
Methyl, acetate, 97-99%, tanks, dlvd., E. of Miss. R. lb .09½ - —
W. of Miss. R. lb .10½ - —
tech., dms., c.l., dlvd., E of Miss. R. lb .07 - —
W. of Miss. R. lb .08 - —
l.c.l., dlvd., E. of Miss. R. lb .07½ - —
W. of Miss R. lb .08½ - —
tanks, dlvd., E. of Miss. R., lb .06 - —
W. of Miss. R. lb .07 - —
Acetoacetate, dms., c.l., works, frt. alld. lb .29½ - —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks gal .32 - —
dms., c.l., same basis gal .37½ - —
l.c.l., same basis gal .40 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums. car lots.

Acetone, natural, group B producers, tanks, Zone 1 gal .32 - —
Zone 2 gal .34 - —
Zone 3 gal .36 - —
Zone 4 gal .36½ - —
dms., c.l., Zone 1 gal .37½ - —
Zone 2 gal .39½ - —
Zone 3 gal .41½ - —
Zone 4 gal .43½ - —
l.c.l., Zone 1 gal .40 - —
Zone 2 gal .47½ - —
Zone 3 gal .44 - —
Zone 4 gal .56½ - —

Natural methyl acetone sales zones are — Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Synthetic, tanks, zone 1 gal .34 - —
Zone 2 gal .42 - —
Zone 3 gal .45½ - —
dms., c.l., zone 1 gal .36 - —
Zone 2 gal .44 - —
Zone 3 gal .46 - —
l.c.l., Zone 1 gal .37 - —
Zone 2 gal .45½ - —
Zone 3 gal .48½ - —

Alcohol (see Methanol).
Anthranilate, bots. lb 2.10 - 2.25
Benzoate, cns., 25 lbs lb .70 - 1.00
Bromide, cyl lb .65 - .75
Chloride, refrigeration, 560 lbs., and up, machine mfrs. and jobbers, cylinders lb .32 - —
service men and consumers, cyl. lb .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers lb .36 - —
service men and consumers, cyl. lb .40 - —
tanks, multi-unit, mach. mfrs. and jobbers lb .31 - —
service men and consumers lb .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders Prices on the 20-lb. sylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bis lb 2.75 - 3.25
Formate, dms lb .80 - —
Lactate, dms., l.c.l., dlvd lb .80 - —
Iodide, bots lb 3.68 - 3.82
Salicylate, dms lb .35 - .37
cns lb .37 - .40
Molybdated violet toner, bbls. lb .35 - —
Methylamyl ketone, dms., works, l.c.l. lb .25 - —
smaller containers, same basis, lb .28 - —
Methylcellulose, dms., c.l., frt. alld. lb .47 - —
2,000 lbs. or more, frt. alld., lb .50 - —
100 to 1,990 lbs., frt. alld. lb .55 - —
1 to 99 lbs., works lb .60 - —
Methylcyclohexane, 98-100%, dms., dlvd. lb .17 - —
Methylcyclohexanol, 98-100%, dms., dlvd. lb .26 - —
Methylcyclohexanone, 98 - 100%, dms., dlvd. lb .40 - —
Methylene blue, medcl., kgs., 100 lbs. lb 2.00 - —
cns., 5 lbs. lb 2.35 - —
Chloride, dms., f.o.b. works lb .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb .07 - —
l.c.l., same terms lb .07½ - —
tanks, same terms lb .06 - —
Methylheptenone, bots lb 2.45 - 3.00
Methylhexyl ketone, dms., tech., works lb .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works gal .70 - —
l.c.l., works gal .80 - —
smaller containers, works gal 1.00 - —
tanks, works gal .70 - —
Methylnaphthyl ketone, dom., cryst., bots lb 3.25 - 3.30
imp., bots lb 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee ton 9.00 - —
l.c.l., same basis ton 11.00 - —
180 mesh., containers extra, c.l., same basis ton 11.00 - —
l.c.l., same basis ton 13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works ton 30.00 - —
l.c.l., 5,000 lbs., works, ton 40.00 - —
1,000 lbs., works lb .02 - —
500 lbs., works lb .02¾ - —
100 lbs., works lb .03 - —
refined, bgs., extra and returnable, c.l., works, ton 20.00 - —
l.c.l., 5,000 lbs. works, ton 32.00 - —
paint, bgs. extra and returnable, c.l., works ton 55.00 - —
l.c.l., 5,000 lbs, works, ton 65.00 - —
white, no. 1 quality, bgs., extra and returnable, c.l., works ton 35.00 - —
l.c.l., 5,000 lbs., works, ton 45.00 - —
1,000 lbs., works lb .02¼ - —
500 lbs., works lb .03 - —
roofing, bgs., extra and returnable, c.l., works, ton 29.00 - —
l.c.l., 5,000 lbs., works, ton 39.00 - —
paint, bgs., extra and returnable, c.l., works, ton 60.00 - —
l.c.l., 5,000 lbs., works, ton 70.00 - —
Mica, wet-ground, paint or lacquer, bgs., c.l., frt. alld. [illegible] lb .04½ - —
[illegible] ex whse., or frt. alld. E. lb .05 - —
[illegible] wall or coated bgs., c.l., frt. alld. E. lb .04¾ - —
l.c.l., ex whse., or frt. alld. E. lb .04½ - —
rubber, bgs., c.l., frt. alld. E. lb .04¼ - —
l.c.l., ex whse., or frt. alld. E. lb .04¾ - —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l. lb .07 - —
l.c.l. lb .08 - —
spray, bbls., c.l. lb .07½ - —
spray, l.c.l. lb .08½ - —
unskimmed, roller, bbls., c.l., lb .15½ - —
l.c.l. lb .16½ - —
spray, bbls., c.l. lb .16 - —
Millet seed, yellow, bgs lb .0250 - .0260
early fortune, bgs lb .02½ - .06
hulled, bgs lb .06½ - .06¾
Mineral spirits (see Petroleum thinners and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports gal .07 - —
f.o.b. Gulf ports gal .06½ - .06¾
Molybdate orange (see Orange, molybdate).
Molybdenum metal kgs., 99% powd. lb 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works lb .95 - —
technical, kgs., basis Mo. content, works lb .80 - —
Monoamylamine, dms., c.l., wks., lb .32 - —
l.c.l., works lb .33 - .35
tanks lb .30 - —
Monobutylamine, dms., c.l., wks., lb .50 - —
l.c.l., works lb .51 - .53
tanks, works lb .48 - —
Monochlorobenzene, dms., l.c.l., lb .06 - .08
Monoethanolamine, dms., c.l., works lb .24 - —
l.c.l., dms lb .26 - —
tanks lb .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb .65 - —
Monoethylaniline, dms lb .77 Nom.
Monomethylamine, dms., c.l., dlvd. lb .65 - —
l.c.l., dlvd lb .70 - —
Monomethylpara-aminophenol sulphate, dms. lb 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs. oz 11.10 - —
cns., 25 ozs. oz 10.90 - —
Acetate, bots., 5 ozs. oz 9.00 - —
bots., 25 ozs. oz 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz 10.75 - —
cns., 25 ozs. oz 10.55 - —
Hydrobromide, bots., 5 ozs. oz 8.95 - —
cns., 25 ozs. oz 8.75 - —
Sulphate, bots., 5 ozs. oz 9.00 - —
cns., 25 ozs. oz 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works lb .67 - —
smaller containers, works lb .75 - —
Mullein leaves, cans lb .15 - .16
flowers, cns. lb 1.75 Nom.
Musk, nat., Tonquin, grained, bots. oz 24.00 -26.00
synth., ambrette, cns., 100 lbs. or more lb 3.65 - —
5 lbs. to 75 lbs lb 3.85 - —
1 lb lb 3.95 - —
ketone, cns., 100 lbs. or more, lb 3.70 - —
5 lbs. to 75 lbs lb 3.95 - —
1 lb lb 4.10 - —
xylol, cns., 100 lbs. or more, lb 1.05 - —
5 lbs. to 75 lbs lb 1.15 - —
1 lb lb 1.20 - —
Musk root, bls lb .50 - .60
Mustard seed, California, brown, lb .16¼ - .16¾
yellow, bgs lb .16½ - .17
Chinese, yellow, bgs lb .09½ - .10
Danish, yellow lb .23 - .24
Dutch, yellow, bgs lb .28 - .29
English, yellow, bgs lb No stocks
Montana, yellow, bgs lb .13½ - .14
Roumanian, yellow lb .16 - .16¼
Myrobalans, J1, bgs., f.a.s. ton 37.00 - —
J2, bgs., f.a.s. ton 30.00 - —
Extract, liquid, 25%, bbls lb No prices
solid, 50%, bbls lb No prices
powdered, 70%, bbls lb .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works 100 lbs. 2.25 - —
78 deg., tanks, works 100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works lb .07 - —
50-lb. cs., same basis lb .07¼ - —
pkgs. (16 oz.), same basis, lb .07¾ - —
(12 oz.), same basis pkg .06¾ - —
Nerolin, cryst., cns lb 1.25 - 1.35
Nickel carbonate, bbls lb .36 - .36½
Chloride, bbls lb .18 - .20
Cyanide, 100-lb. dms lb 1.40 - —
25-lb. bot lb 1.50 - —
Oxide, black, bbls lb .25 - .28
Salt, bbls lb .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld. lb .70 - —
10-lb. tins lb .86½ - —
Nitreake, bulk, works ton 16.00 - —
Nitrobensene, dbl. dist., dms., c.l. lb .06 - —
l.c.l. lb .09 - —
tanks lb .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40 sec. vis., bbls., works, lb .26 - —
bronzing, 20, 40, 70 sec. vis., bbls., works lb .29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works lb .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works lb .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works lb .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works lb .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works lb .28 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works, lb .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports unit-ton 1.2158 - —
Nitrogenous fertilizer material, dom., 8-11% ammon., bulk, f.o.b. Carrollville, Wis., dlvd. unit-ton 1.75 - —
f.o.b. Chemical, Ill., unit-ton 1.75 - —
f.o.b. East Coast producing points unit-ton 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt. unit-ton No prices
Nitromethane, l.c.l., dms., works, lb .25 - —
Nitronaphthalene, bbls lb .24 - .25
Nitropropane I, l.c.l., dms., works, lb .25 - —
II, same basis lb .25 - —
Nutgalls, Aleppo, bgs., cs lb .29 - .30
Chinese lb .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs lb .18 - .18½
110s, bgs., cs lb .16 - .16½
small, grinding, bgs lb .16 - .16½
West Indian, bgs lb .09¼ - .09½
Nux vomica, bls lb .05 - .06
powd., bbls., bxs lb .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works lb .03¼ - —
l.c.l., bbls., works lb .03½ - —
tanks lb .02¾ - —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3. gal .12½ - —
l.c.l., G.3. gal .17 - —
tanks, G.3. gal .10¾ - —
Octanol, normal, tech., 360-lb. dms., dlvd. lb .35 - —
Octyl acetate, dms., c.l., works lb .16 - —
l.c.l., works lb .17 - —
tanks, works lb .15 - —
Oil, almond, bitter, artif (see Benzalhedyde).
natural, bots lb 3.00 - 3.25
s.p.a., bots lb 3.15 - 3.50
sweet, true, exp., cns lb .70 - .75
Amber, crude, cns lb .23 - .24
ref'd, cns lb .80 - .85
Amyris, cns lb 3.00 - 3.25
Angelica, bots lb 106.00 Nom.
Anilin (see A).
Anise, USP, cns., dms lb .90 - 1.00
Apricot, kernels, cns lb .40 - .42
Babassu, tanks lb .05¾ Nom.
Bay, W. I., 50-55% phenols, cns. lb 1.10 - 1.15
55-60% phenols, cns lb 1.20 - 1.25
Bergamot, artif., cns lb 3.50 - 5.00
natural, coppers lb 12.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, rectified, cns lb .90 - .95
Bois de rose, Brazil, cns lb 1.95 - 2.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms lb .65 - .70
USP IX, cns lb .75 - .80
Calamus, cns lb 8.25 - 8.50
Camphor, sassafrassy, cns lb .25 - .26
dms. lb .22 - .23
white, cns lb .25 - .26
dms. lb .23 - .23
Cananga, native, cns lb 2.25 - 2.30
refined, cns lb 2.60 - 2.65
Capsicum (oleoresin), USP VIII, cns. lb 3.50 - 3.75
Caraway, USP, cns lb 6.00 Nom.
Cardamom, bots lb 16.00 -18.00
Cassia, USP, cs., dms lb 1.50 - 1.55
Castor, blown, one-way dms., c.l. lb .11¾ - —
l.c.l. lb .12½ - —
cold pressed, USP, bbls., c.l., lb .10¾ - —
l.c.l. lb .11 - —
cns. (1-gal.), l.c.l. lb .14 - —
dms. (returnable), c.l. lb .10 - —
l.c.l. lb .10¾ - —
(5-gal.), l.c.l. lb .12 - —
tanks lb .09¼ - —
dehydrated, dms., c.l. lb .13 10 - —
l.c.l. lb .13½ - —
tanks lb .12½ - —
extracted No. 3, tech., bbls., c.l. lb .09¾ - —
l.c.l. lb .10½ - —
dms. (returnable), c.l. lb .09½ - —
l.c.l. lb .10¼ - —
tanks lb .09 - —
sulphonated, 50% (43% fat), dms., c.l. lb .07 - —
l.c.l. lb .08 - —
75% (63% fat), dms., c.l. lb .09¾ - —
l.c.l. lb .10¾ - —
80% (65% fat), dms., c.l. lb .10 - —
l.c.l. lb .11 - —

Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs lb .90 - .95
dms. lb .85 - .90
Cedarwood, Oregon, cns., dms., lb .28 - .30
Southern, cns., dms lb .22 - .25
Celery, bots lb 15.00 -16.00
Chaulmoogra, USP, cns lb .72½ - —
Chinawood, dms lb .26¾ - .27
tanks lb .25¾ - —
Cinnamon, Ceylon, bots lb 14.75 -30.00
Citronella, Ceylon, cns lb .39 - .40
dms. lb .37 - .38
Java, cns, dms lb .37 - .39
Clove, makers, USP, cns lb 1.10 - 1.15
dms lb 1.05 - 1.10
Coconut, Manila, Crude, tanks, lb .02¾ - —
edible, 76°, dms. (returnable), c.l. lb .07½ - —
l.c.l. lb .08 - —
tanks lb .06¾ - —
Cod, Newf., bbls gal .60 - —
Codliver, med., USP, bbls. bbl 70.00 -75.00
Coriander, bots lb 15.00 -16.00
Corn, crude, tanks, wks lb .05¾ - .05⅞
rfd., bbls lb .08¼ - .08½
Cotonseed, cooking, bbls lb .07½ - —
salad, bbls lb .07¾ - —
Creosote (see C).
Croton, N. F., cns lb 2.50 - 2.75
Cubeb, USP, cns lb 3.00 - 3.25
Crude (see Petroleum, crude).
Cumin, bots lb 8.50 - 9.00
Cypress, bots lb 5.25 - 5.50
Degras (see D).
Diesel, Bayonne, bulk bbl 1.70 - 1.75
California, f.o.b. San Francisco, truck gal .05½ - —
Dill seed, bots lb 4.50 - 5.00
weed, bots lb 5.25 - 5.50
Dip (see L).
Erigeron, cns lb 2.00 - 2.50
Eucalyptus, cns lb .65 - .67
dms. lb .63 - .65
Fennel, sweet, cns lb 2.05 - 2.15

Oil, fuel, bunker, California, tide-water	bbl.	.75 - .80
Gulf Coast, at terminal	bbl.	.80 - —
Louisiana, Arkansas, 10-14, bbl.		.70 - —
N.Y. and N.J. terminals	bbl.	1.15 - 1.25
North Texas, 18-22	bbl.	.72½- .17¼
24-28, zero cold test	bbl.	1.00 - —
Oklahoma, 18-22	bbl.	.72½- .77¼
24-28, zero cold test	bbl.	1.00 - —
24-28, 15 and above	bbl.	.80 - —
Pennsylvania, 36-40	gal.	.04½- .05
Furnace, Bayonne, 1, bulk, refinery	gal.	.0510- .0550
2, bulk, same basis	gal.	.04½- —
4, bulk, same basis	gal.	.04½- —
Louisiana - Arkansas, 32 - 36, light straw	gal.	.03¼- .03½
Oklahoma, 28-32	gal.	.03¼- .03⅜
32-36	gal.	.03⅜- .03½
36-38	gal.	.03⅜- .04
38-40 zero, 60 e.p.	gal.	.03½- .03⅝
Fusel (see F).		
Gas, 27 plus, Bayonne, bulk	gal.	.0410- —
Gulf Coast, bulk	gal.	.03½- —
Group 3, bulk	gal	.02⅝- .04
Gaultheria (see Oil, wintergreen leaf).		
Geranium, Algerian, rose, cns.,	lb.	12.25 Nom.
Bourbon, cns.	lb.	12.00 Nom.
Turkish (see Palmarosa).		
Grapefruit, cns.	lb.	1.60 - 1.6[illegible]
Grapeseed, dom., dms.	lb.	.45 - .50
imported, dms.	lb.	.15 - .20
Ginger, dist., bots.	lb.	4.10 - 4.25
Guaiac wood, concrete, bots.	lb.	3.00 - 3.10
Haarlem, imp., bots.	gross	No prices
Hemlock cns.	lb.	85 - 90
Juniper berry, USP XI, cns.	lb.	9.00 Nom.
wood, tech., cns.	lb.	.50 - —
Juniper tar, USP XI, cns.	lb.	.39 - .40
Lard, common, 1, bbls.	lb.	.07¾- —
2, bbls.	lb.	.07½- —
extra, bbls.	lb.	.08¼- —
1, bbls.	lb.	.08 - —
winter, strained, bbls.	lb.	.08½- —
prime, burning, bbls.	lb.	.09 - —
prime, ined., bbls.	lb.	.08¾- —
Laurel, bots.	lb.	4.50 - 4.60
Lavandin, cns., 25 lbs.	lb.	3.25 Nom.
Lavender flower, French, 50% ester, cns.	lb.	No stocks
38-42% ester, cns.	lb.	7.50 - 7.75
35-38% ester, cns.	lb.	5.50 - 5.75
30-32% ester, cns.	lb.	5.00 - 5.25
garden, cns.	lb	55 - .70
spike, Spanish, tech., cns.	lb.	1.40 - 1.60
dms.	lb.	1.35 - 1.55
Lemon, Calif., cns.	lb.	3.25 - —
Messina, coppers, cns.	lb.	5.00 Nom.
Terpeneless, Type 1	lb.	10.50 -16.50
Type 2	lb.	8.35 -14.50
Lemongrass, native, cns., dms.,	lb.	78 - .80
Lime, dist., cns.	lb.	4.75 - 5.00
expressed, cns.	lb.	7.75 - 8.00
Terpeneless, Type 1	lb.	70.00 -78.00
Type 2	lb.	42.00 -46.50
Linaloe wood, cns.	lb.	1.60 - 1.65
Linseed, raw, dms., c.l.	lb.	.0870- .0890
l.c.l., 10 to 69	lb.	.0910- .0930
5 to 9	lb.	.0930- .0950
less than 5	lb.	.0950- .0970
tanks	lb.	.0810- .0830
Boiled linseed oil .004 cent over raw.		
Lovage, bots.	lb.	41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California (f.o.b. San Francisco), green, 70, 80-100 vis. at 210° F., tanks	gal.	.17 - .17½
200, 300, 500, 750 vis., at 100° F., tanks	gal.	.15 - 16½
pale, 75, 100, 200, 300, 500, 750 vis., at 100° F., tanks	gal.	.13½- .16½
red, 100, 200, 300, 500 vis., at 100° F., tanks, gal.		.13½- .16
Oklahoma, bright stocks, 100-110 D, color 4.0-10 pour, tanks	gal.	.15 - —
15-25 pour, tanks	gal.	.15½- —
150-160 D, color, 4½, 0-10 pour, tanks	gal.	.15½- —
15-25 pour, tanks	gal.	.13½- —
bright stocks, 150-160, E, color 5½, 15-25 pour, tanks	gal.	.13½- —
190-200 D, color 4¼, 15-25 pour, tanks	gal.	.12½- —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks	gal.	.08 - —
180 vis., 5 color, tanks, gal.		.09 - —
4 color, tanks	gal.	.09 - —
200 vis., 3 color, tanks, gal.		.08½- —
4 color, tanks	gal.	.08½- —
250 vis., 3 color, tanks, gal.		.10 - —
4 color, tanks	gal.	.10 - —
280 vis., 3 color, tanks, gal.		.10½- —
4 color, tanks	gal.	.10 - —
10-25 pour prices are ½c. less than zero to 10° pour.		per gallon
Pennsylvania, bright stocks, 8 color, 140-150 vis., 545-550 flash, 10 pour, tanks	gal.	.14½- —
15 pour, tanks	gal.	.13½- —
25 pour, tanks	gal.	.12 - .13
Cylinder oil, 600 flash, tanks	gal.	.09 - .11
630 flash, tanks	gal.	.11 - .12
600 steam refined, tanks, gal.		.07 - .08
650 steam refined, tanks, gal.		.08 - .10
Neutrals, 150 vis., 70°F., 8 color, 400-405 flash, zero pour, tanks	gal.	.22½- —
10 pour, tanks	gal.	.21½- —
15 pour, tanks	gal.	.20½- —
25 pour, tanks	gal.	.19 - .20
200 vis., 70°F., 8 color, 420-422 flash, zero pour, tanks	gal.	.24½- —
10 pour, tanks	gal.	.23½- —
15 pour, tanks	gal.	.22½- —
25 pour, tanks	gal.	.21 - .22
Mace, dist., cns., dms.	lb.	2.25 - 2.30
Mandarin, superior, coppers	lb.	8.00 -11.00
Menhaden, crude, tanks, fut., Balto.	gal.	.30 Nom.
refd., alkali, dms.	lb.	.0840- .0880
tanks	lb.	.0780- —
blown, dms.	lb.	.0860- .0900
kettle-bodied, dms.	lb.	.0960- .1000
light-pressed, dms.	lb.	.0780- .0820
tanks	lb.	.0720- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP., bots., cns.	lb.	1.50 - 1.60
dist., natural, bots.	lb.	8.50 - 9.00
Neatsfoot, 20° cold test, bbls.,	lb.	.15¼- —
extra, bbls.	lb.	.08¼- —
1, bbls.	lb.	.08 - —
prime, bbls.	lb.	.08⅛- —
pure, bbls.	lb.	.10⅜- —
sulphonated, common, 25% moisture, dms.	lb.	.10½- —
Neroli, bots.	lb.	200.00- 325.00
Nutmeg, dist., cns., dms.	lb.	2.25 - 2.30
Oleo, 1, bbls.	lb.	.07⅝- —
2, bbls.	lb.	.07½- —
Oil, olticica, dms.	lb.	.18½- .19½
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., dms.	gal.	2.40 Nom.
edible, dms.	gal.	3.25 Nom.
foots, dms.	lb.	.10½Nom.
sulphonated, 50%, (42% fat), dms., c.l.	lb.	.09½- —
l.c.l.	lb.	.10½- —
75% (63% fat), dms., c.l.	lb.	.12½- —
l.c.l.	lb.	.13½- —
80% (68% fat), dms., c.l., lb.		.127 - —
l.c.l.	lb.	.137 - —
Orange, sweet, dist., cs.	lb.	.90 - —
expressed, African, cns., dms., lb.		1.40 - 1.50
Calif., cns.	lb.	2.00 - —
Florida, cns.	lb.	1.25 - 1.30
Messina, USP, coppers	lb.	8.00 Nom.
West Indies, cns.	lb.	2.50 - 2.60
terpeneless	lb.	42.00 -50.00
Origanum, cns.	lb.	1.05 - 1.45
Palm, Niger, dms.	lb.	.03½ Nom.
shipment	lb.	.03 Nom.
softs, 12½%, bulk, shipt.	lb.	.02 Nom.
Sumatra, shipt., bulk	lb.	.02 Nom.
Palmarosa, cns.	lb.	2.50 - 2.60
Paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼- —
350° flash, 70-80 vis., tanks, G. 3.	gal.	.05½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
300° flash, 100-110 vis., tanks, G. 3.	gal.	.05¾- —
Patchouli, bots., cns.	lb.	5.00 - 6.00
Oil, peanut, crude, dom., tanks.	lb.	.05 Nom.
refd., edible, bbls.	lb.	.07⅝ Nom.
Pennyroyal, dom., cns.	lb.	3.00 Nom.
import, cns.	lb.	2.25 - 2.50
Peppermint, natural, cns., dms.,	lb.	2.70 - 2.95
redist., USP, cns., dms.	lb.	2.95 - 3.20
Perilla, dms.	lb.	.18 Nom.
tanks	lb.	.17¼ Nom.
Petitgrain, Paraguay, cns.	lb.	1.35 - 1.40
Pimento berry, cns.	lb.	4.20 - 7.25
leaf, cns.	lb.	2.25 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports	gal.	.50 - .55
steam-dist., dms.	gal.	.50 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	1.25 - 1.30
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Boston, Providence, gal.		.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, blown, dms.	lb.	.17½- —
denat., bbls.	gal.	1.00 (Nom.
Red, dist., or saponif., dms., dlvd.	lb.	.06¾- .07¼
tanks, dlvd.	lb.	.06¼- —
Rose, artif., bots.	oz.	1.35 - 2.25
natural coppers	oz.	5.50 -22.50
Rosemary, Spanish, cns.	lb.	.71 - .75
cns.	lb.	.63 - .64
Rosin, 1st rectfd., dms.	gal.	.42 - —
2d rectfd., dms.	gal.	.44 - —
3d rectfd., dms.	gal.	.48 - —
Rue, bots.	lb.	3.00 - 3.25

Oil, Fuel—Oil, Tall

Oil, sage, cns.	lb.	3.25 - 3.50
Sandalwood, E.I. USP, cns.	lb.	4.95 - 5.25
Mysore, cns., case lots	lb.	5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst.	gal.	.41 - —
refd., alkali, dms.	lb.	.0840- .0880
tanks	lb.	.0780- —
kettle-bodied, dms.	lb.	.0960- .1000
light-pressed, dms.	lb.	.0780- .0820
tanks	lb.	.0720- —
Sassafras, artif., cns.	lb.	.75 - —
dms.	lb.	.72 - —
natural, cns., dms.	lb.	1.00 - 1.25
Savin, cns.	lb.	5.50 - 6.00
Savory, cns.	lb.	3.50 - 3.75
Sesame, crude, coast, tanks.	lb.	.07¼- —
Shingle stains, bbls., c.l., works,	gal.	.19 - —
l.c.l., works	gal.	.20 - —
tanks, works	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	9.50 -10.50
Soybean, dom., crude, dms.	lb.	.06¼- .06⅝
tanks	lb.	.05⅝- —
refd., dms.	lb.	.07⅜- .06¼
tanks	lb.	.06⅜- .07¼
Spearmint, dms.	lb.	2.25 - 2.35
Sperm, bleach, 38°, dms.	lb.	.1100- —
45°, dms.	lb.	.1030- —
natural, dms.	lb.	.0980- —
Spruce, cns., dms.	lb.	.80 - .85
Sweet, birch, North, cns.	lb.	2.25 - 2.65
South, cns.	lb.	1.55 - 1.70
Tall, crude, dms., c.l., works,	ton.	40.00 - —
l.c.l., works	ton.	45.00 -50.00
tanks, works	ton.	30.00 - —

The "Giant That Grew Overnight" Discovers the World of Textiles!

Revolutionizing apparel in America are modern textiles with synthetic finishes that give fabrics new luster, resiliency, "feel", water resistance and wrinkle-proofing.

For the young Coating-Resins Industry—which has already increased 6,000% in two decades — these developments open up a whole new market for sales. And the end of expansion is not yet in sight. New formulae for new applications constantly evolve.

Pioneer producer of the organic chemicals Phthalic Anhydride, Maleic (Toxilic) Anhydride and others, National makes these essential raw materials by direct manufacture (the controlled catalytic oxidation of coat tar crudes). Users are assured an unfailing source of supply, not dependent for either quantity or quality on the manufacture of any other chemicals.

We invite your inquiry for technical data.

SYNTHETIC ORGANIC CHEMICALS

NATIONAL ANILINE & CHEMICAL CO., INC.

Intermediates Division: 40 RECTOR STREET • NEW YORK, N. Y. • BOwling Green 9-2240

BOSTON	150 Causeway St.	SAN FRANCISCO	517 Howard St.	NEW ORLEANS	Masonic Temple Bldg.
PROVIDENCE	15 Westminster St.	CHARLOTTE	201-203 W. First St.	CHATTANOOGA	James Bldg.
CHICAGO	357 W. Erie St.	GREENSBORO	Jefferson Standard Bldg.	PORTLAND, ORE.	730 West Burnside
PHILADELPHIA	200-204 S. Front St.	ATLANTA	140 Peachtree St.	TORONTO	137-145 Wellington St., W.

BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Oil, Tall—Petroleum

Oil, tall, distilled, dms., c.l., dlvd.	lb.	.05½-	.07
l.c.l., dlvd.	lb.	.06½-	.08¼
tanks, dlvd.	lb.	.05 -	.06¾
refined, dms., c.l., works	lb.	.04 -	—
l.c.l., works	lb.	.04½-	—
tanks, works	lb.	.03½-	—
Tallow, acidless, bbls.	lb.	.07¾-	—
tanks	lb.	.07¼-	—
Tansy, cns.	lb.	4.25 -	4.50
Tar, pine, com'l, dms., c.l., dlvd. E. cities	gal.	.26 -	—
E. ports, c.l.	gal.	.25 -	—
l.c.l.	gal.	.27 -	—
tanks, dlvd. E. cities	gal.	.20 -	—
rectfd., USP, bbls., l.c.l., dlvd. E. ports	gal.	.55 -	—
Tar acid (see T).			
Teaseed, crude, dms.	lb.	.17½	Nom.
Tea Tree (see Oil, Ti tree).			
Thyme, NF, red, dms.	lb.	.80 -	1.75
white, dms.	lb.	.95 -	1.95
Tung (see Oil, chinawood).			
Ti tree, cns.	lb.	2.30 -	2.80
Turkey red (see castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.	gal.	7.00 -	—
Valerian, bots.	lb.	8.00 -	9.00
Vetiver, bots.	lb.	4.75 -	8.00
Whale, ref., natural, dms.	lb.	.0910-	—
winter, bleach, dms.	lb.	.0950-	—
Wheat germ, cns., dms.	gal.	17.50 -	25.00
White, mineral, dom., tech., 50-60 vis., dms.	gal.	.31 -	.38
65-75 vis, dms.	gal.	.33 -	.40
80-90 vis., dms.	gal.	.34 -	.41
Oil, white, mineral, USP, 80-90 vis., dms.	gal.	.36 -	.43
95-105 vis., dms.	gal.	.40½-	.47½
125-135 vis., dms.	gal.	.46 -	.53
140-150 vis., dms.	gal.	.49 -	.55
175-185 vis., dms.	gal.	.53½-	.60½
200-210 vis., dms.	gal.	.56½-	.63½
320-330 vis., dms.	gal.	.64 -	.71
335-345 vis., dms.	gal.	.65 -	.72
Russian, 80-90 vis., dms.	gal.	No prices	
145-155 vis., dms.	gal.	No prices	
175-185 vis., dms.	gal.	No prices	
335-345 vis., dms.	gal.	No prices	
Wintergreen, natural, North, cns.	lb.	4.35 -	5.00
South, cns.	lb.	3.05 -	3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	3.25 -	3.35
Wormwood, cns.	lb.	4.50 -	4.75
Ylang-ylang, Bourb., bots., cns.	lb.	7.00	Nom.
Manila, bots.	lb.	23.00	Nom.
Olivine, aggregate, c.l., mines,	ton.	7.00 -	11.00
Lumps, same basis	ton.	7.00 -	—
Spalls, same basis	ton.	5.00 -	—
ground, 325 mesh c.l., mines,	ton.	20.00 -	—
200 mesh, c.l., mines	ton.	17.00 -	—
100 mesh, c.l., mines	ton.	15.00 -	—
20 mesh to dust	ton.	12.00 -	—
Opium, USP, cns.	lb.	11.50 -	12.50
gran., cns.	lb.	12.50 -	13.50
powd., cns.	lb.	12.50 -	13.50
Orange Lake, Persian, bbls.	lb.	.30 -	.45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼-	—
Colo., Mont., N. M., Wyo.	lb.	.11½-	—
Other points	lb.	.11 -	—
smaller lots, dlvd., Ala. etc.	lb.	.11¾-	—
Ariz., etc	lb.	.12¼-	—
Colo., Mont., N. M., Wyo.	lb.	.12 -	—
Other points	lb.	.11½-	—
French, Tours, casks, ex dock	lb.	.13½-	—
kgs., ex dock	lb.	.14½-	—
Molybdate, bbls.	lb.	.31 -	—
Toner, bbls.	lb.	.80 -	—
Orangeflower petals, cs.	lb.	.45 -	.50
Orange peel, bitter, bls.	lb.	.09 -	.10
sweet, bls.	lb.	.11 -	.12½
Orris root, Florentine, bgs.	lb.	.80	Nom.
fingers, cs.	lb.	1.50	Nom.
powd., bbls., bxs.	lb.	.85	Nom.
Verona, bls.	lb.	.75	Nom.
powd., bgs., cns.	lb.	.80	Nom.
Orthoanisidin, bbls.	lb.	.70 -	—
Orthochloranilin, dms.	lb.	.60 -	.75
Orthochlorophenol, dms.	lb.	.32 -	—
Orthocresol, dms., c.l., works	lb.	.16 -	—
l.c.l., same basis	lb.	.16½-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06 -	—
l.c.l., same basis	lb.	.07 -	—
100-lb. tins, same basis	lb.	.08 -	—
50-lb. tins, same basis	lb.	.09 -	—
tanks, same basis	lb.	.05½-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroaniiin, dms.	lb.	.55 -	—
Orthonitrochlorobenzene, dms.	lb.	.15 -	.18
Orthonitroparachlorophenol, cns.	lb.	.75 -	—
Orthonitrotoluene, dms.	lb.	.09 -	—
Orthophenetidin, dms.	lb.	.80 -	—
Orthotoluidin, dms.	lb.	.19 -	—
Osage orange extract, cryst., bbls.	lb.	.21 -	—
liquid, 42°, bbls.	lb.	.09 -	—
51°, bbls.	lb.	.10 -	—
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50 -	—
bots., cns., 1-50 lbs.	lb.	3.65 -	4.00
Orthotoluene-hydrochloride, dms.	lb.	.22 -	—
Sulphonate, kgs.	lb.	2.00 -	2.05

P

Papain, powd., cs.	lb.	1.40 -	1.45
Paprika, Algerian, bgs.	lb.	.34 -	.35
Bulgarian, bgs.	lb.	.29 -	.29½
Hungarian, extra fancy, bgs.	lb.	.42	Nom.
medium, bgs.	lb.	.41	Nom.
Portuguese, extra fancy, bgs.	lb.	.26½-	.27½
fancy, bgs.	lb.	.25½-	.26½
Spanish, fancy, cs.	lb.	.38 -	.42
Parachlorophenol, dms.	lb.	.32 -	—
Paracymene, refd., dms.	gal.	.75 -	1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 -	.12
l.c.l.	lb.	.12½-	.13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.0285-	—
bbls., c.l., N.Y.	lb.	.0285-	—
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.0285-	.03¼
bbls., c.l., N.Y.	lb.	.0285-	.03¼
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.02¾-	—
fully refd., bgs., 123-125 A.m.p., bgs., c.l.	lb.	.0570-	—
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570-	—
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595-	—
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0625-	—
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650-	—
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725-	—
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0820-	—
151-153 A.m.p., bgs., or loose, c.l.	lb.	.15	Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.			
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03¼-	—
semi-rfd., solid, 122-124 A.m.p., bgs.	lb.	.03 -	—
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.23 -	—
100 to 900 lbs. shipments, same basis	lb.	.24 -	—
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works	lb.	.10 -	—
l.c.l., works	lb.	.11¼-	—
5 and 10-gal. dms., works	lb.	.15 -	—
USP, cs., cbys.	lb.	.37 -	.45
Paranitrophenol, kgs.	lb.	.35 -	—
Paranisidine, dms.	lb.	.75 -	—
Paranitroaniiin, kgs., works	lb.	.47 -	—
Paranitrochlorobenzene, kgs.	lb.	.15 -	—
Paranitrotoluene, kgs.	lb.	.30 -	—
Paraphenylenediamine, bbls.	lb.	1.25 -	1.30
Paratoluenesulphonamide, bbls.	lb.	.70 -	—
Paratoluidin, bbls.	lb.	.48 -	—
Pareira brava root, bls.	lb.	.20 -	.21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 -	.25
l.c.l., same basis	lb.	.24 -	.26
Passion flower, herb, bls.	lb.	.08 -	.09
Patchouli leaves, bls.	lb.	.28 -	.30
Pellitory root, bls.	lb.	.30 -	.32
Pennyroial leaves, bls.	lb.	.15 -	.16
Pentane, norm., 28-38°, dms., c.l., G.3.	gal.	.11½-	—
l.c.l., G.3.	gal.	.16 -	—
tanks, G.3.	gal.	.08½-	—
laboratory grade, dms., c.l., G.3,	gal.	.14 -	—
l.c.l., G.3.	gal.	.25 -	—
Pepper, black, Alleppey, bags.	lb.	.07¾-	—
Lampong, bags.	lb.	.04 -	.04¼
Tellicherry, bags.	lb.	.07½-	.07¾
White, Java, Muntok, bags	lb.	.07½-	.08
Singapore, Muntok	lb.	.07¼-	.07½
Red, chillies, Japan, Hontaka.	lb.	.23½-	.24
Mombassa, bgs.	lb.	.27½-	.28
Peppermint leaves, dom., bls.	lb.	.60 -	.65
imports, bls.	lb.	.90	Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 -	—
l.c.l., same basis	lb.	.08½-	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½-	—
l.c.l., same basis	lb.	.09 -	—
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—
All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S .C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.			
Peru, balsam, dms.	lb.	.65 -	.67
Petrolatum, amber, dms., c.l.	lb.	.02¾-	—
l.c.l.	lb.	.03¾-	—
amber, extra, dms.	lb.	.03 -	—
l.c.l.	lb.	.04 -	—
white, cream, dms., c.l.	lb.	.04 -	—
l.c.l.	lb.	.05½-	—
lily, dms., c.l.	lb.	.04¾-	—
l.c.l.	lb.	.06¼-	—
snow, dms., c.l.	lb.	.05½-	—
l.c.l.	lb.	.07½-	—
Petroleum, crude, bulk, at wells:—			
California	bbl.	.90 -	1.71
Canada	bbl.	2.07 -	2.10
Central West:—			
Illinois	bbl.	.53 -	1.15
Lima	bbl.	.90 -	—
Michigan	bbl.	.92 -	1.10
Princeton	bbl.	1.05 -	—
East Texas	bbl.	1.10 -	—
Gulf Coast	bbl.	.86 -	1.26
Kentucky, Tennessee	bbl.	1.10 -	1.20

WHAT MAKES

GOOD SERVICE

Good?

● To every user of solvents there comes a time when the supplier *must* be able to render emergency service.

When this happens in YOUR plant—*as it is certain to do sooner or later*—you will realize why so many users of solvents consider Skellysolve the most economical. You will find that *you can depend on Skelly to come through*—whether it is a question of super-fast delivery, a knotty technical problem, or some other special service you *must* have to prevent a shutdown. That's Skellysolve service—that's what makes good service *good!*

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SKELLYSOLVE
in the **OIL, PAINT,** *and*
DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Petroleum, crude, bulk, at wells:—		
Louisiana, Arkansas	bbl.	.73 - 1.05
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.71 - 1.03
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford, Allegany	bbl.	2.00 - —
Corning	bbl.	1.12 - —
N. Y. Transit lines	bbl.	2.00 - —
Eureka lines	bbl.	1.59 - —
S. W. Penn lines	bbl.	1.63 - —
Lower district in National Transit lines	bbl.	1.88 - 1.93
Rocky Mountains	bbl.	.35 - 1.10
South Central and Southwestern Texas	bbl.	.86 - 1.29
Texas Panhandle	bbl.	.67 - .96
West Texas	bbl.	.52 - .95
Ether, 30-60°, dms., c.l., G.3,	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.12½- —
35-60°, dms., L.c.l., G.3	gal.	.30½- —
40-75°, dms., c.l., G.3	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13¼- —
laboratory grade, dms., c.l., G.3.	gal.	.14½- —
c.l., G.3	gal.	.25½- —
10-gal. lots, G.3	gal.	.50½- —
Lacquer, diluent, at refinery:—		
California, 100 l.b.h., 200 e.p., tanks, divd., Los Angeles	gal.	.11 - —
San Francisco	gal.	.11½- —
f.o.b. Richmond	gal.	.11 - —
Willbridge, Ore., Fort Wells, Wash.	gal.	.12 - —
East Coast, tanks	gal.	.09½- .10
Group 3, toluol type, tanks,	gal.	.07⅝- —
benzol type, tanks	gal.	.07⅞- —
Naphtha, cleaners', at refinery:—		
California (f.o.b. San Francisco), tanks	gal.	.12 - —
East Coast, tanks	gal.	.09 - .10½
Group 3, tanks	gal.	.06⅜- .07
tankwagon, Boston, ex tax.	gal.	.13½- —
Bridgeport	gal.	.13½- —
Chicago, inc. 4c. tax	gal.	.18 - —
Decatur, inc. 4c. tax	gal.	.1910- —
Des Moines, inc. 4c. tax,	gal.	.1890- —
Evansville, inc. ex tax.	gal.	.15 - .16
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½- —
Newark, ex tax	gal.	.10½- —
New York, ex tax	gal.	.10½- —
Omaha, ex tax	gal.	.1490- .1590
Oklahoma City, ex tax.	gal.	.16½- —
Philadelphia, ex tax	gal.	.12 - —
St. Louis, inc. 1c. tax.	gal.	.15½- —
Syracuse, 150 gals.	gal.	.14½- —
smaller lots, galv. drums,	gal.	.10 - —
milk cans	gal.	.21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	gal.	.20 - —
2, over 90% arom., same basis	gal.	.21 - —
3, same basis	gal.	.22 - —
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½- —
30, same basis	gal.	.17½- —
40, same basis	gal.	.17¾- —
V. M. & P., at refinery:—		
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-57, 190 i.b.p., 310 e.p., tanks, divd. Los Angeles,	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle.	gal.	.11 - —
East Coast, tanks	gal.	.09½- —
Group 3, tanks	gal.	.06⅞- .07
tankwagon, Boston, ex tax,	gal.	.14½- —
Chicago, inc. 4c. tax.	gal.	.17 - —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Decatur, inc. 4c. tax.	gal.	.1910- —
Evansville, Ind., ex tax,	gal.	.1520- .1620
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 - —
Newark, ex tax	gal.	.11½- —
New York, ex tax	gal.	.10½- —
Omaha, ex tax	gal.	.1490- .1590
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), bbls.	gal.	.24 - —
East Coast, tanks	gal.	.09½- —
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06⅞- .07
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06⅜- .07
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks.	gal.	.11 - —
East Coast, tanks	gal.	.08¾- .09½
Group 3, tanks	gal.	.06⅞- .06½
tankwagon, Boston, ex tax.	gal.	.14 - —
Chicago, inc. 4c. tax.	gal.	.1640- —
Decatur, inc. 4c. tax.	gal.	.1860- —
Des Moines, inc. 4c. tax.	gal.	.1840- —
Evansville, Ind., ex tax.	gal.	.14 - .15
Milwaukee, inc. 5c. tax.	gal.	.1980- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820- —
Newark, ex tax	gal.	.09½- —
New Orleans, ex tax.	gal.	.11 - —
New York, ex tax	gal.	.09½- —
Omaha	gal.	.1360- .1450
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1340- —
Tulsa, ex tax	gal.	.10½- .11½
Thinners, at refinery:—		
California (f.o.b. San Francisco), 166-252, b.r., tanks,	gal.	.10½- —
198-290 b.r., tanks	gal.	.10½- —
246-397 b.r., tanks	gal.	.10½- —
312-408 b.r., tanks	gal.	.09 - —
362-458 b.r., tanks	gal.	.09 - —
East Coast, 43-47, tanks.	gal.	.08¾- .09½
47-49, tanks	gal.	.10½- —
Group 3, tanks	gal.	.06⅞- —
Tankwagon, tax included:—		
Albany	gal.	.13½- —
Baltimore (100 gals.).	gal.	.14 - —
25-99 gals	gal.	.16 - —
Boston	gal.	.13½- —
Bound Brook, North Amboy, N. J.	gal.	.13½- —
Bridgeport, Conn	gal.	.11½- —
Buffalo	gal.	.13½- —
Camden, N. J.	gal.	.10 - .11½
Chicago	gal.	.1670- —
Decatur	gal.	.1810- —
Des Moines	gal.	.1790- —
Evansville, Ind.	gal.	.1420- .1520
Milwaukee	gal.	.1930- —
Minneapolis-St. Paul.	gal.	.19½- —
Newark	gal.	.09½- —
New York (200 gals.).	gal.	.09½- —
Omaha	gal.	.12½- —
Pittsburgh	gal.	.11¾- .13½
Providence	gal.	.12 - —

Petroleum—Potash Hypophos.

Petroleum, thinners, tankwagon:—		
Rochester	gal.	.12½- —
St. Louis	gal.	.1470- —
Syracuse	gal.	.10½- —
Trenton	gal.	.10½- —
Wilmington, Del.	gal.	.12½- —
Phenobarbital, 5-lb. bots.	lb.	3.95 - —
bots. or cns., 100 lbs., spot or contract.	lb.	3.60 - —
25-lb. cns.	lb.	3.85 - —
Phenol, USP, dms., c.l., works, frt. equald.	lb.	.12 - —
l.c.l., same basis	lb.	.12¾- —
under 1,000 lbs.	lb.	.13¾- —
tanks, works	lb.	.11 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots.	lb.	.85 - —
bbls., dms., kegs., 100-250 lbs.,	lb.	.87 - .89
yellow, fib. dms., 2,000-lb. lots,	lb.	.80 - —
100-lb. fib. dms.	lb.	.82 - —
25-lb. dms.	lb.	.87 - —
50-lb. kgs.	lb.	.84 - —
Phenyl chloride, dms.	lb.	.17 - —
Phenylacetaldehyde, bots.	lb.	2.10 - 2.50
Dimethylacetate, cns.	lb.	14.50 -15.00
Phenyl ethyl acetate, cns.	lb.	2.90 - 3.00
Phenylethylphenyl acetate, bots.,	lb.	8.00 -15.00
Phenylhydrazine, base, CP, bots.	lb.	4.00 - —
hydrochloride, CP, bots., works.	lb.	4.00 - —
commercial, kgs., works	lb.	1.50 - —
pure, bbls., works	lb.	2.25 - —
Phlorogiucinol, CP, tins, wks.	lb.	20.00 -22.00
tech., tins, works	lb.	15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines.	long ton.	4.25 - —
72% min., bulk, mines,	long ton.	2.40 - —
70% min., bulk, mines.	long ton.	2.15 - —
land pebble, 72% min., bulk, mines.	long ton.	2.40 - —
75% basis, 74% min., bulk, mines.	long ton.	2.90 - —
Tenn., 72% bulk, mines	long ton.	4.50 - —
75% bulk, mines.	long ton.	5.50 - —
Phosphorus, red, cs.	lb.	.40 - .44
yellow, dms.	lb.	.18 - .20
cases	lb.	.23 - .25
Oxychloride, cyls.	lb.	.15 - .18
Pentoxide, dms., c.l., works.	lb.	.11 - .12
l.c.l., dms., works.	lb.	.13 - .14
Sesquisulphide, cs.	lb.	.38 - .42
Trichloride, cyls.	lb.	.15 - .16
Phthalamide, bbls., works, tons,	lb.	.35 - —
single bbls., works	lb.	.40 - —
kgs., works	lb.	.45 - .50
Phthalic annydride, bbls., c.l., works, frt. alld. E. of Miss. R.	lb.	.14½- —
l.c.l., same basis	lb.	.15½- —
Pichi leaves, bgs.	lb.	.10 - .11
Pilocarpine hydrochloride, bots., vis.	oz.	3.75 - 4.00
Nitrate, bots., vis.	oz.	3.75 - 4.00
Pimento, bags	lb.	.19¾- .20¼
Pinkroot, bls.	lb.	.40 - .41
Pitch, burgundy (see B).		
Coaltar, 160° m.p., bbls., c.l., works.	ton.	19.00 - —
l.c.l.	ton.	22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron.	ton.	23.75 -24.00
Linseed, dms.	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, bbls.	bbl.	6.00 - 6.50
Plaster of Paris (see Gypsum).		
Pleurisy root, Southern, bls.	lb.	.12 - .13
Podophyllin, dms., divd. E. of Miss.	lb.	4.50 - 4.70
Poke root, bls.	lb.	.07 - .07½
Pomegranate bark, bgs.	lb.	.52 - .53
Root bark, bgs.	lb.	.47 - .48
Poppy flowers, red, bls.	lb.	.75 - .80
Seed, Dutch, bgs.	lb.	.30½- .31
Hungarian, bgs.	lb.	.29 - .30
Roumanian, bgs.	lb.	.28 - .29
Turkish, bgs.	lb.	.26½- .27
Potash abietate	lb.	.08 - —
Acetate, tech., bbls., divd.	lb.	.26 - —
kgs., divd.	lb.	.28 - —
USP, bbls., 250 lbs.	lb.	.28 - —
kgs., 100 lbs.	lb.	.30 - —
cns., 25 lbs.	lb.	.31 - .44
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 - —
demj., 50 lbs.	lb.	.12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs.	lb.	.17 - —
kgs., 100 lbs.	lb.	.19 - —
gran., bbls., 250 lbs.	lb.	.17 - —
kgs., 100 lbs.	lb.	.19 - —
Bichromate, spot, c.l., works.	lb.	.08¾- —
6 casks or 10 bbls., or over, works.	lb.	.09 - —
5 casks or 9 bbls., or less, works.	lb.	.09¼- —
Bromide, USP, gran., bbls., 500 lbs.	lb.	.27 - —
fib. dms., 100 lbs.	lb.	.28 - —
Carbonate, calc., dms., c.l., works.	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 83-85%, bbls., c.l., works.	lb.	.06½- —
l.c.l., same basis	lb.	.05¾- —
liquid, dms., c.l., works, frt. alld.	lb.	.03 - —
l.c.l., dms., same basis.	lb.	.03125- —
tanks, same basis	lb.	.0275- —
USP, gran., bbls., 325 lbs.	lb.	.14 - —
powd., bbls., 325 lbs.	lb.	.19 - —
kgs., 100 lbs.	lb.	.21 - —
Caustic, flake, 88-92%, dom., c.l., works.	lb.	.07 - —
import, dms.	lb.	No prices
liquid, 45% basis, dms.	lb.	.03½- .03¾
tanks	lb.	.02⅞- —
solid, 88-92%, dom., dms., c.l., works.	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
import, dms.	lb.	No prices
Chlorate, cryst, kgs.	lb.	.11 - —
powd., kgs.	lb.	.10 - —
Chloride, tech., 95%, cryst., bgs., kgs.	lb.	.04 Nom.
Chromate, kgs.	lb.	.24 - .27
Citrate, USP, gran., bbls., 250 lbs.	lb.	.33½- —
kgs., 100 lbs.	lb.	.34½- —
cns., 50 lbs.	lb.	.35½- —
cns., 25 lbs.	lb.	.37½- —
Cyanide, dms., works.	lb.	.75 - —
Cyanide, gold, 11% gold, bots., works.	oz.	14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots.	lb.	1.00 - —
100-lb. lots	lb.	1.10 - —
50-lb. lots, cbys., or cns.,	lb.	1.15 - —
25-lb. lots, cns.	lb.	1.25 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots.	lb.	1.60 - 1.65
cns., 25 lbs.	lb.	1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs.	lb.	.32 - .34
Hypophosphite, cns., 100 lbs.	lb.	.72 - —
25 to 50 lbs.	lb.	.75 - —

SOLVAY PRODUCTS

TRADE MARK REG. U. S. PAT. OFF.

SOLVAY CAUSTIC POTASH LIQUOR

(*Made in U. S. A.*)

also SOLID — LUMP FLAKE — GROUND

Shipped in tank cars, Solvay Liquid Potash contains 48% to 50% Potassium Hydroxide. In drums, this clear liquor contains 45% KOH. But whether shipped in tank cars or drums, Solvay Caustic Potash Liquor *is free from sludge impurities.*

SOLVAY CAUSTIC POTASH, like all Solvay products, "measures up" in every way to meet the actual performance standards of the trades in which it is used. In the dry forms (solid, lump, flake or ground) it contains 88-92% KOH.

Write for a copy of the Solvay Products Book which contains information on this and other Solvay products. Write to Dept. AG-12.

OTHER SOLVAY PRODUCTS

Soda Ash—Caustic Soda—Modified Sodas—Special Alkalies—Heavy Duty Cleansers—Nitrite of Soda—Liquid Chlorine—Calcium Chloride — Ammonium Chloride — Para-Dichlorobenzene — Orthodichlorobenzene — Ammonium Bicarbonate — Potassium Carbonate (Liquid 47% — Granular Hydrated 83-85%—Dustless Calcined 98-100%).

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

BRANCH SALES OFFICES:

Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, New Orleans, New York, Philadelphia, Pittsburgh, St. Louis, Syracuse

STANDARD SINCE 1881

Potash Iodate—Soda Bicarb.

Potash, iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.40 - —
Iodide, bbls., 250 lbs.....lb. 1.29 - —
bots. or cns.....lb. 1.29 - 1.55
dms.....lb. 1.20 - 1.23
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports. ton. No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex-vessels, ports. unit-ton. .60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices

Domestic manure salt prices, basis f.o.b., Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices in bags are $3 per ton higher than bulk prices.

Metabisulphite, kgs.....lb. No price.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port..unit-ton. No prices

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $3 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs.....lb. .20 - .31
tech., bbls.....lb. .26 - .36
Nitrate, crude, bgs., c.i.f. ports. ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .19¼- .19¾
U.S.P., dms.....lb. .20 - .20½
Prussiate, red, bbls.....lb. .45 Nom.
Yellow, bbls.....lb. .16 - .18
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90%, K_2SO_4, ex-vessel, ports, ton.36.25 - —
bulk, same basis.....ton.34.25 - —
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports. ton. No prices
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia, sulphate, dom., bgs, 40%, K_2SO_4, ex-vessel, ports..ton.27.00 - —
bulk, same basis.....ton.25.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 250-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and 1, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-20 tons, ex whse.. ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
2 bgs. to 1,000 lbs., ex whse. ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd.....gal. 4.75 - 4.95
(30 to 1), 3 grams spyrethrins per 100 cc., dms., dlvd..gal. 7.20 - —
Pyrethrum flowers, coarse, grnd. (e.f.p.), 9% pyrethrins, frt. alld., bbls....lb. .23 - .25
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms.....gal. 1.77 - —
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib, dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis.....ton.12.00 - —
No. 3, 200 mesh, c.l., mines..ton. 7.50 - —
325 mesh, same basis.....ton.12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .13 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .08½- .09¼
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks, (76 lbs. net), dlvd., N.Y..flask.168.00 -170.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.207.00 - —
ex store.....flask.209.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns..oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromide, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .99 - —

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .81 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, recleaned, bgs.....lb. .06¼- .06⅝
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works, lb. 2.70 - —
light, works.....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs..lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¼- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls.....lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25% kgs., same basis, alizarin lake, contracts..lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
50% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Red, scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04¼- —
Toluidine toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.12 - 3.17
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib., dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lbs., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .12 - .14
Rhubarb, cs.....lb. .45 - .46
powd., bbls., kgs.....lb. .50 - .51
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .27¼- —
smaller lots.....lb. .27¾- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .26¼- —
smaller lots.....lb. .26¾- —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 3.00
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .09 - .10
Rosin, gum, B, bbls., ex dock, 100 lbs. 2.07 - —
D, bbls.....100 lbs. 2.20 - —
E, bbls.....100 lbs. 2.16 - —
F, bbls.....100 lbs. 2.17 - —
G, bbls.....100 lbs. 2.22 - —
H, bbls.....100 lbs. 2.33 - —
I, bbls.....100 lbs. 2.42 - —
K, bbls.....100 lbs. 2.65 - —
M, bbls.....100 lbs. 2.70 - —
N, bbls.....100 lbs. 2.75 - —
W. G., bbls.....100 lbs. 3.07 - —
W. W., bbls.....100 lbs. 3.30 - —
X, bbls.....100 lbs. 3.30 - —
wood, F.F., spot, bbls..100 lbs. 2.50 Nom.
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.37.50 - —
import, lum, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb. 29.00 -30.00
Safrol, cns.....lb. .90 - —
dms.....lb. .85 - —
Sage, Dalmatian, stemless, bls.lb. No stocks
ground, bbls.....lb. 1.50 - 1.80
garden, bls.....lb. No stocks
Greek, bls.....lb. .60 - .65
Sago flour, bgs.....lb. .03½- .04
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib, dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y...ton.13.70 - —
l.c.l., bgs., dlvd., N.Y...ton.15.50 -16.10
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.15.70 - —
l.c.l., dlvd., N.Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.60 - 9.60
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons, 100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons.100 lbs. 8.00 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots...100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.145.00 -150.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .30 - .31
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bales.....lb. .70 - .72
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .21¼- —
smaller lots.....lb. .21¾- .24¾
kegs, 5,000 lbs., 1 shipm't..lb. .21¾- —
smaller lots.....lb. .22¼- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lbs. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .80 - .85
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, bonedry, bbls. f.o.b. N.Y..lb. .26 - .27
dlvd., Boston.....lb. .26½- .27½
Chicago.....lb. .26⅝- .27¾
Pacific Coast.....lb. .29 - .30
rfd., bbls., f.o.b. N.Y....lb. .32 - .33
dlvd., Boston.....lb. .32½- .33½
Chicago.....lb. .32⅝- .33¾
Pacific Coast.....lb. .35 - .36
Garnet, bgs.....lb. .20 - .21
D.C., V.S.O., or Diamond I, cs..lb. .28 - .29
Superfine, bgs., f.o.b. Bost., N.Y..lb. .17½- .18½
dlvd., Chicago.....lb. .18 - .19
Pacific Coast.....lb. .20½- .21½
T.N., bgs., f.o.b. Bost., N.Y. .17 - .18
dlvd., Chicago.....lb. .17½- .18½
Pacific Coast.....lb. .20 - .21
Varnish, Metro, area, orange, 5-lb. cut, bbls..gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....gal. 1.05 - 1.10
white, 5-lb. cut, bbls.....gal. 1.25 - 1.30
4½-lb. cut, bbls.....gal. 1.20 - 1.25
4-lb. cut, bbls.....gal. 1.15 - 1.20
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph, dry-grd., 93-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 93-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.23.00 - —
95-97%, 400 mesh, bgs., c.l., works..ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, wks.ton.21.50 - —
smaller lots, works.ton.23.00 - —
amorph., wet-grd., 99% 325 mesh, bgs., c.l., works.ton.22.00 - —
l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal. oz. .7111- —
Govt. purchase, foreign metal. oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .26¾- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .20 - .22
Smalt, black, extra velvet, cns., lb. .05 - .08
Blue, cns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .17 - .18
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .20 - .21
Soda, acetate, anhyd., dms., dlvd. lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07½- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.83 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works.....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
58%, bbls., c.l., works, 100 lbs. 1.35 - —
bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia. parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zne 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l.....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l.....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —

Soda, bicromate, spot, c.l., works, lb. .06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks., or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works.. 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.00
2 .....100 lbs. 3.70 - 5.00
3 .....100 lbs. 3.95 - 5.40
4 .....100 lbs. 4.35 - 5.70
electro process., dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.50 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅝- —
smaller quantities.....lb. .08⅝- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07⅝- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l. works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhydr., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. Orange, D. C., VSO., Diabgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —

Soda, nitrate, rfd., gran., bbls., 10 ton..100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06⅝- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15½- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —

Soda, phosphate, tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
bgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10⅝- —
contracts .....lb. .09⅝- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.85 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —

Soda Bichrom.—Soda Sulpho.

Soda, silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. No prices
import, bbls.....lb. .06½ Nom.
Stannate, dms. .....lb. .32½- .33½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.65
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms...lb. .27 - .31

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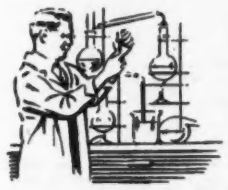
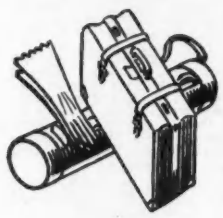
REG. U. S. PAT. OFF.

WILL SERVE YOU BETTER



● With the technical advance of the process industries, critical manufacturing control is increasingly important.

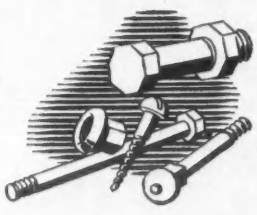
Through constant improvements in production technique and new product development, DU PONT continues to offer industry a complete range of high quality processing materials from acids and heavy chemicals to specialties for new applications.



Take advantage of the careful research and development behind each DU PONT Product which is your assurance of high quality. There's service too because DU PONT sales offices and warehouses are located convenient to manufacturing centers throughout the country.

Consider these "Reasons Why" DU PONT Chemicals will serve you better.

Specify *DU PONT* on your next order. The new Grasselli Chemicals catalog is available on request.



ACIDS • HEAVY CHEMICALS • ZINC • SPECIALTIES

DU PONT

E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
GRASSELLI CHEMICALS DEPARTMENT
WILMINGTON, DELAWARE

Atlanta • Birmingham • Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit • Los Angeles • Milwaukee
New Haven • New Orleans • New York • Philadelphia • Pittsburgh • Rensselaer • San Francisco • St. Louis • St. Paul
Represented in Canada by CANADIAN INDUSTRIES, LTD., General Chemicals Division, Montreal and Toronto

Soda Sulphocy.—Whiting

Soda, sulphocyanide, dms., cns., lb. .28 - .47
Sulphhydrate, liquid, 88%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works..lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works..lb. .04½- —
Sulphoricinoleate, bbls..lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs..lb. No prices
tech., kgs..lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15½- —
smaller lots, works..lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .11½- —
l.c.l., works..lb. .11¾- .15
Sparteine sulphate, cns..oz. 3.00 - 3.25
Spearmint leaves, bls..lb. .30 - .31
Spikenard root, bls..lb. .16 - .17
Spruce extract, reg'r, bbls., c.l., works..lb. .01¾- —
tanks, works..lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works..lb. .01¾- —
tanks, works..lb. .01¾- —
Squawvine, leaves, bls..lb. .14 - .15
Squill, white, bls..lb. No prices
powd., bbls., bxs..lb. No prices
St. Ignatius beans, bgs..lb. .45 - .46
St. John's Bread, edible, bls., lb. .12 - .13
inedible, bls..lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.95 - —
divd., N. Y..100 lbs. 3.30 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.05 - —
divd., N. Y..100 lbs. 3.40 - —
Potato, dom., bgs..lb. .04½- .05½
import, bgs..lb. No price
Rice, bbls..lb. .07½- .08¼
Sweetpotato, bgs..lb. .06¼- —
bbls..lb. .07 - —
Wheat, thick, boil, bgs..lb. .05 - —
Starch, iodide, bots..lb. 1.87 - —
Staveacre, seed, bgs..lb. .35 - .40
Stearin, oleo, bbls..lb. .06¼ Nom.
Stillingia root, bls..lb. .07½- .08
Stonecrop, bls..lb. .07½- .08
Storax, cs..lb. .75 - .80
Stramonium leaves, bls..lb. .45 - .50
Strontium bromide, cns..lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls..lb. .20 - —
Iodide, bots., 5 lbs..lb. 3.06 - —
jars, 25 lbs..lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over..lb. .08¼- —
1-24 bbls. and over..lb. .08¾- —
Strophanthus seed, Kombe, bgs..lb. 3.75 - 4.00
Strolyl acetate, bots..lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring, bbls..gal. .75 - 1.45
Milk, bbls., c.l..lb. .16 - —
l.c.l., 10 or over..lb. .17 - —
less than 10..lb. .18 - —
Sulfanilamide, 5 lbs., bots..lb. 1.70 - —
fb. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs..lb. 1.30 - —
25-lb. lots..lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs..lb. 6.75 - 6.80
Sulphonmethane, kgs..lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton. 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —
Flowers, USP, bgs., c.l., mine, 100 lbs. 2.80 - —
l.c.l., mine..100 lbs. 3.35 - —
bbls., c.l., mine..100 lbs. 3.15 - —
l.c.l., mine..100 lbs. 3.70 - —
Flour, comm'l., bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine..100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine..100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine..100 lbs. 2.90 - —
bbls., c.l., mine..100 lbs. 2.70 - —
l.c.l., mine..100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine..100 lbs. 3.00 - —
bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine..100 lbs. 3.35 - —
lump, bgs., c.l., mine..100 lbs. 1.95 - —
l.c.l., mine..100 lbs. 2.50 - —
bbls., c.l., mine..100 lbs. 2.10 - —
l.c.l., mine..100 lbs. 2.65 - —
roll, bgs., c.l., mine..100 lbs. 2.15 - —
l.c.l., mine..100 lbs. 2.70 - —
bbls., c.l., mine..100 lbs. 2.30 - —
l.c.l., mine..100 lbs. 2.85 - —
Rubbermakers, comm'l., 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
Chloride, 55-gal. dms., c.l..lb. .03 - —
l.c.l., dms., works..lb. .04 - —
10-gal. dms., c.l..lb. .07 - —
l.c.l..lb. .08 - —
Dioxide, liquid, com'l, cyls., work.'..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works..lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars..lb. 3.90 - 4.05
Precipitated, USP, bbls..lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s..ton. No prices
Extract, 42°, bbls..lb. .06 - .06¼
51°, bbls..lb. .07 - .07¼
stainless, bbls..lb. .09 - .11
Berries, bgs..lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs..lb. .06 - .06½
poultry, bgs..lb. .05¼- .05¾
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, f.o.b. Balto..unit-ton. .68 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills..ton. 17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton. 14.00 -16.00
l.c.l., mills..ton. 16.00 -18.00
96-98%, 325 mesh., c.l., mills..ton. 15.00 -17.00
l.c.l., mills..ton. 17.00 -19.00
98-99½%, 325 mesh.. bgs., c.l., mills..ton. 15.25 -17.25
l.c.l., mills..ton. 17.25 -19.25
98-99½%, 325 mesh, bgs., l.c.l., mills..ton. 17.25 -19.25
99.85-99.95%, 325 mesh.. bgs., c.l., mills..ton. 17.00 -19.00
coarse, off color, bgs., c.l., mills..ton. 11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills..ton. 24.50 - —
Vermont, bgs., c.l., mills..ton. 14.00 - —
l.c.l., ex whse..ton. 25.00 - —
Imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse..ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse..ton. No prices
2, bgs, ex dock, arrival..ton. No prices
Tallow, extra, loose..lb. .04¾- .04¾-
special, loose..lb. .04½- .04¾
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l..lb. .04¾- —
50% (43% fat), dms., c.l..lb. .05¼- —
l.c.l..lb. .06¼- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l..lb. .06¾- —
Tamarind, No. 1, bbls..lb. .06 - .07
kegs..keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.65 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
high-grade, bulk, Chicago, unit-ton. 2.80 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, December shipments, unit-ton. 2.60 & .10
Tansy leaves, bls..lb. .22 - .23
Tapioca flour, bgs..lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis..gal. .24 - —
25%, dms., c.l., works..gal. .25 - —
l.c.l., same basis..gal. .27 - —
Tar, pine, retort, dms., c.l., divd. E. cities..gal. .27 - —
ports..gal. .26 - —
l.c.l..gal. .27 - —
tanks, divd. E. cities..gal. .21 - —
Tarragon herb, bgs..lb. 1.10 Nom.
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5..lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5..lb. .35 Nom.
USP, powd., bbls..lb. .40 Nom.
Terebene, cns..lb. .75 - .85
Terpinyl acetate, cns..lb. .80 - .85
Terpin hydrate, bgs..lb. .60 - .65
Terpineol, CP, cns..lb. .26 - —
dms..lb. .23 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms., tech. (see Perchloroethylene). lb. .21½- —
Tetralin, dms..lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms..lb. 2.90 - 3.00
Sodiosalicylate, cns..lb. 2.15 Nom.
dms..lb. 1.95 Nom.
5-lb. bots..lb. 2.31 - 2.36
Thiocarbanilide, dms..lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls..lb. .50 - .52
Spanish, bls..lb. .12 - .12½
Thymol, dms., 100 lbs..lb. 1.40 - —
cns., 25 lbs..lb. 1.45 - 1.50
Iodide, kgs., 50 lbs..lb. 3.40 - —
25 lbs..lb. 3.50 - —
Thiamine hydrochloride, cns.gram. .98 - 1.00
Timbo root see Cube root.
tons), frt. pd..lb. .15 - —
Tin chloride (ous), anhyd..lb. .47 - .47½
Crystals, bbls., kgs..lb. .38 - .38½
Metal, Straits..lb. .50¼- —
Oxide, bbls..lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .24¾- —
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13½- —
Pac. Cst., ex whse....lb. .13¾- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
50-999 lbs., E. frt. pd....lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse....lb. .16 - —
bbls., c.l. (20 tons), frt. pd..lb. .13¼- —
l.c.l., 5 tons, E. frt. pd....lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd. lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .25 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l. (20 tons), frt. pd. lb. .16¼- —
Titanium, dioxide, chalk-resistant, bgs., l.c.l., 5 tons, E. frt. pd..lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
Pac. Cst., ex whse..lb. .14¾- —
50-999 lbs., E. frt. pd...lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd., lb. .14½- —
50-999 lbs., frt. pd...lb. .14¾- —
bbls., c.l. (20 tons), frt. pd..lb. .14¼- —
l.c.l., 5 tons, E. frt. pd. lb. .14½- —
Pac. Cst., ex whse..lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse..lb. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse..lb. .15 - —
barium or magnesium base, bgs., c.l., D, frt. alld..lb. .05¼- —
l.c.l., dlvd..lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .05½- —
bbls., c.l., D., frt. alld...lb. .05¾- —
l.c.l., E. dlvd..lb. .05¾- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd..lb. .06½- —
Calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd..lb. .05¼- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., E. dlvd..lb. .06 - —
bbls., c.l., D.. frt. alld.....lb. .05¼- —
l.c.l., E. dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd..lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns..lb. .80 - .85
Toluidin, mixed, dms..lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms. returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls..lb. .65 - .70
root, bls..lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms..lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works..lb. .78 - .80
tanks..lb. .75 - —
Tributylamine, dms., c.l., works, lb. .07 - —
l.c.l., same basis..lb. .07½- —
tanks..lb. .06½- —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots..lb. .26 - —
Phosphate, dms., l.c.l., dlvd..lb. .42 - —
cns., works..lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis..lb. .07½- —
tanks..lb. .06½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis..lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08¼- —
l.c.l., same basis..lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis..lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis..lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd..lb. .34½- —
Tech., dms..lb. .22 - —
500 lbs., dms..lb. .22½- —
less than 500 lbs..lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works..lb. .20 - —
tanks, works..lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots..lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd..lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd..lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton. 26.00 - —
double grd., bgs., c.l., works, ton. 16.00 - —
once-grd., bgs., c.l., works..ton. 14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs..lb. No prices
Chem. grade, kgs..lb. No prices
Turmeric root, Alleppey, bgs...lb. .07½- .08
Madras, bgs..lb. .07¼- .07⅞
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .42¾- —
l.c.l., 10 ex dock.....gal. .44¾- —
5 ex dock.....gal. .46¾- —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l.....gal. .36 - —
tanks, dlvd. E. cities..gal. .30 - —
steam-dist., dms., c.l., dlvd.gal. .37 - —
l.c.l., dlvd.....gal. .40 - —
tanks, dlvd.....gal. .32 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.65 - 3.65
yellow, kgs.....lb. 1.75 - 2.00
Urea, dom., 45% N., bgs., 20 tugs, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton. 85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton. 85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton. 91.00 - —
any quantity, f.o.b. Belle, W. Va..ton. 85.00 - —
Import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs..lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports..ton. 57.40 - —
bags, same basis.....ton. 59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton. 121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports..ton. 127.00 - —
Uva ursi leaves, bls..lb. .11 - .12

V

Valerian root, bls..lb. .95 - 1.00
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s..ton. No price
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works..lb. 1.10 - —
Vanilla beans, Bourbon, tins...lb. 9.00 Nom.
Mexican, tins..lb. 9.25 Nom.
cuts, tins..lb. 9.00 Nom.
South American, tins.....lb. 9.00 Nom.
Tahiti, tins..lb. 4.75 - 5.00
Oleoresin, bots..lb. 18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins..lb. 2.65 - —
1-lb. tins..lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins..lb. 2.55 - —
1-lb. tins..lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins..lb. 2.55 - —
1-lb. tins..lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.25 - 1.30
Verdigris, bbls., kgs..lb. .22 - .28
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 20,000 lbs. gross, works..lb. .14 - —
l.c.l., works..lb. .15 - —
5 gals., dms., works..lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls..lb. .40 - .41
tree..lb. .19 - .23
Wattle bark, bgs., f.a.s.....ton. 37.50 -39.50
Extract, solid, bgs..lb. .03¾- —
Wax, bayberry, import, bgs...lb. .20 - .21
Bees, white, bleach, slabs, cs., 1 to 5 case lots..lb. .36½- —
cakes, 1 to 5 cs., lots..lb. .37½- —
discs, 1 to 5 cs., lots...lb. .38½- —
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg..lb. .30½ Nom.
Brazil, bgs., 5-ton lots..lb. .31 - .32
1 ton..lb. .31½- .32¼
500 lbs..lb. .32 - .33
100 lbs..lb. .32½- .33
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs., 1 ton.....lb. .19 - .19¼
Jobbing lots..lb. .19¼- .20
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .61 - .62
5 bgs..lb. .61½- .62½
1 bg..lb. .62 - .63
N. C., 2, bgs., 1 ton.....lb. .68 - .69
N. C., 3, bgs., 1 ton.....lb. .61 - .62
5 bgs..lb. .61½- .62½
1 bg..lb. .62 - .63
refined, bgs..lb. .65 - .66
yellow, No. 1, bgs., ton....lb. .72 - .73
5 bgs..lb. .72½- .73½
1 bg..lb. .73 - .74
No. 2, bgs..lb. .71 - .72
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11¼
jobbing lots..lb. .12 - .12½
150°-160° m.p., bgs., 1 ton..lb. .13 - .13½
jobbing lots..lb. .14 - .14¼
160° m.p., bgs., 1 ton.....lb. .13 - .13½
jobbing lots..lb. .14 - .14¼
Japan, cs..lb. .18 - .18½
Montan, bgs., c.l..lb. No prices
5 tons..lb. No prices
less than 1 ton..lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs..lb. No prices
74°-76° C., bgs..lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs..lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works..ton. 16.00 -20.00
l.c.l., works..ton. 18.00 -22.00
bbls., c.l., works..ton. 19.00 -24.00
l.c.l., works..ton. 21.00 -26.00
pap. bgs., c.l., works..ton. 15.00 -18.00
l.c.l., works..ton. 17.00 -20.00
wet-grnd., blp., bgs., c.l., works..ton. 18.50 -22.50
l.c.l., works..ton. 19.00 -23.00
bbls., c.l., works..ton. 21.00 -25.00
gliders, bolted, blp. bgs., c.l., works..ton. 18.00 - —
l.c.l., works..ton. 19.00 - —
bbls., c.l., works..ton. 20.00 -21.00
l.c.l., works..ton. 21.00 -22.00
pap. bgs., c.l., works..ton. 17.00 -18.50
l.c.l., works..ton. 18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton. 20.00 - —
l.c.l., works..ton. 21.00 - —
bbls., c.l., works..ton. 22.00 -23.00
l.c.l., works..ton. 23.00 -24.00
pap. bgs., c.l., works..ton. 19.00 -20.50
l.c.l., works..ton. 20.00 -21.00
Paris white, blps., bgs., c.l., works..ton. 19.00 - —
l.c.l., works..ton. 20.00 - —
bbls., c.l., works..ton. 22.50 -27.50
l.c.l., works..ton. 22.00 -28.00
pap. bgs., c.l., works..ton. 19.60 -25.10
l.c.l., works..ton. 20.00 -26.50

Whiting, limestone, air floated, 99.75%, 250 mesh, paper bags, c.l...ton. 9.65 - —
200 mesh paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works, ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra, c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 4.25 - 4.50
Wormwood, bls.....lb. No prices

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works.gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .39 - —
2°, dms., returnable, works.gal. .46 - —
tanks, E. of Omaha, frt. alld. gal. .44 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works., frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts. lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are dlvd. Ala., Fla., Ga., La. (1¼c.). Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago. ½c. higher (Shreveport,
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works.....lb. .02¼- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01¼- —
G, bbls., works.....lb. .01¼- —
H, bbls., works.....lb. .01⅝- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b)..lb. .02⅝ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02⅝ Nom.
Phila., for import....lb. .02¾ Nom.
Portland, Seattle....lb. .03⅛ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto, Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis. lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03⅝ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock. lb. .02⅝ Nom.
from whse.....lb. .03⅛- Nom.

Yellow oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04¼- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
spot order.....lb. .16 - —
Navy specification type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthorhiza), bls...lb. .11 - .12
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, vis..oz. 5.00 - 5.50

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .82½- —
25 lb. dms.....lb. .87½- —
kgs.....lb. .84½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
Zinc, chloride, gran., dms., c.l., works..100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .26 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .09½- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.35 - —
jars.....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —

Whiting—Zinc Oxide

Zinc, oxide, pigment, dom., Amer. process, coml., leaded, 35%, bgs., c.l., dlvd..lb. .0616- —
l.c.l., dlvd., except Pct. cst..lb. .0641- —
ex whse., Pac. cst..lb. .0641- —
bbls., c.l., dlvd..lb. .0641- —
l.c.l., dlvd., except Pac.cst..lb. .0666- —
ex whse., Pac. cst..lb. .0666- —
80%, bgs., c.l., dlvd., except Pac. cst..lb. .0618- —
Pac. cst..lb. .0624- —
l.c.l., dlvd., except Pac. cst..lb. .0642- —
ex whse., Pac. cst..lb. .0642- —
bbls., c.l., dlvd..lb. .0642- —
l.c.l., dlvd., except Pac. cst..lb. .0666- —
ex whse., Pac. cst..lb. .0666- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —

—Continued on page 57

No. 5035 C. P. TOLUIDINE TONER DARK

Formulators are expressing a marked preference for No. 5035 when a bright, vivid red with maximum light fastness is desired.

No. 5035 is a pure organic toner that is very intense in shade and has excellent strength and opacity. It's a soft, easy grinding color that stands fairly high temperatures without hazing or discoloration—(250° F. for 1 hour when ground in vehicles such as Nos. 1307 or 1313 Beckosol Extra Light).

No. 5035 is an outstanding example of why RCI chemical colors are preferred by formulators throughout the industry. Inquiries concerning No. 5035 or any other RCI product are welcomed.

REICHHOLD CHEMICALS, INC.
Chemical Color Division
General Offices: DETROIT, MICH.
Factory: BROOKLYN, N. Y.

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Changing Rules in Midstream

In these days when corporations are persons in the matter of rights constitutionally and otherwise conveyed but exempt from the obligations of the individual in many respects, and government has become highly personalized but still cannot, so the courts have said—albeit not finally—collect damages in antitrust law actions, something should be done to make government liable for damages done by the arbitrary, even though fully legal, mind-changing of its agencies having to do with the regulation of business. That is, one of the powers to be possessed by that necessary new set of Federal courts for the adjudication of business-government differences should be that of requiring a governmental agency to reimburse a business firm for losses sustained when yesterday's ruling of the agency is turned completely about under today's opinion.

To illustrate: In the administration of the newer food, drug, and cosmetic law the administrative agency has, at least "informally," advised manufacturers that they might, for example, provide the medical profession with directions of use and dose of a new drug on the label or in "labeling" or "literature" accompanying the product, even though the drug was intended only to be dispensed directly or prescribed. Later the agency decided—as it is also about to decide in the case of all drugs in the "℞ legend" category—that directions for use might not accompany such a limited-use drug, but must be separately furnished for the information of the physician.

Some manufacturers, in good faith accepting the earlier ruling, now find themselves with packages and labels, and "labelings" and "literature" which are in large part illegal. These things cost money. Is it right that the manufacturer should pocket a loss sustained because those who decide what is right changed their minds in midstream or some place en route? Is it right that he should pass the wasted cost along to the doctor, or the druggist, and eventually to the sick patient? All sorts of administrative acts need to be recouped, as well as reviewed, by the courts.

Paintmaking Jobs Defined

The Federation of Paint and Varnish Production Clubs has been given a send-off on the job of job-defining proposed for it at its 1940 annual meeting by the president of the National Paint, Varnish and Lacquer Association. A large assemblage of definitions of jobs in the paint and varnish industry has been got together and published by the Division of Placement and Unemployment Insurance of the Department of Labor of the State of New York. This collection of definitions is being printed in the REPORTER.

These definitions of paintmaking and related jobs were constructed by the State employment service from information collected in the course of taking care of requests for men to do these various jobs. The definitions were desired for the information of the various employment offices. They have been got by the REPORTER as a result of an agreement with the State agency that their publication would help to expand the usefulness of the employment service to the paint and varnish industry and to increase the interest of the industry in the facilities of the State offices.

It was something like that, with an aspect also of national defense needs, which motivated the N.P.V.L.A. president to lay his proposal before the production men. The task implied in that proposal has not been completed with the publication of the New York definitions. In fact, these make it more obvious that the terminology of the industry in respect of designations of functional operations is rather confusing and needs to be standardized. It will be found in the New York list that in a relatively large number of instances a job is known by two, three, or more names. It is also evident that some of the definitions comprise functionings which are not always within the confines of a particular job, which are not so far subdivided or so exclusive as are those set up in similar connections by organized labor.

There is a job to do in this defining of jobs; and it has a useful purpose. There remains also that other job mentioned herein two weeks ago; because no State office or other agency, not even the Federal Trade Commission, has yet provided intelligibly distinctive definitions for the terms, "jobber," "wholesaler," "broker," "distributor," "commission merchant," "manufacturers' agent," "selling agent," and "dealer."

—O-P-D—

To Avert Inflation

Bankers and teachers of economics are saying that no need exists for price inflation. They go so far in some instances as to say that the abundance of necessities and their potential greater production and the abundance of idle capital are, at least, theoretical safeguards against inflation and should be applied practically if necessary.

Economic publicists and governmental prosecuting officials are saying that there is no reason for even that relatively small measure of price inflation which already exists. They agree that preventive methods should be applied whenever a threat of inflation appears. But, they differ in their selections of methods. The prosecutors pin big hopes on vigorous enforcement of the antitrust laws—failing to see that the largest part of the gouging of consumers in respect of prices is done by small, widely scattered sellers. The economic publicists see a necessity for governmental control but opine that this should be exercised by a board or similar agency specially setup for the purpose.

Businessmen are not unmindful of the undesirable concomitants of price inflation but they disclaim responsibility for boosts that are made, attributing these to a necessity imposed by increased costs largely owing to the demands of labor.

As usual, none of the three groups is wholly in the right. These matters are always appraised as was the elephant by the blindmen of Hindustan. So, the several opinions must be correlated to arrive at a means of doing what is patently necessary to do. This indicates the necessity of properly planned and properly functioning cooperation with open ears, open hands, and open minds. And back of this stands the country's greatest need —a government-business liaison.

—O-P-D—

For Economic Defense

Members of Congress are manifesting a substantial degree of foresight at least in their cloakroom and individual office conversations about the necessities to be expected in relation to the maintenance of the proper position of the United States in world trade after the war. Business leaders also are looking to that indefinitely dated but definitely dangerous future. There is no indication that the war is in its last stages, but it is not too early to give appropriate and adequate consideration to postwar economic conditions. In fact, these conditions as they exist today are not getting enough of the right sort of attention.

Congressmen, quite understandably, favor a new governmental agency to take care of postwar economic necessities. One suggestion contemplates a sort of much-expanded successor of the United States Tariff Commission, empowered to apply a large measure of flexibility to duties and having authority to make tariff bargains, arrange swaps of goods, and dig up other aids for the maintenance of export trade and the prevention of disastrous floods of low-priced imports. The reference to the latter very necessary purpose is sort of soft-pedaled, consumer ideas being what they are at the present time, but it is as plain as day that the United States could afford to lose its entire export trade several times over much better than it could afford to face at home the "blitzhandelsdrang" — or whatever may be the designation of the drive that will characterize the inevitable economic war by the many nations which will then be in the "have-not" class.

This thing is a big thing; it is a business thing. Hence, it is nothing for a governmental agency to tackle alone—and nothing which business could hope to handle successfully alone. It calls for a fully developed plan of cooperation reduced to realities and devoted to practicabilities, without either greed or "gravy." In the light of conditions in the national military defense program, it cannot be assumed that an effective economic defense plan presents a simple undertaking. And, as in all such things, the least simple part of it is the putting and keeping of government and business in their respective places and getting them to function properly.

1868* U.S. GRANT IS NOMINATED PRESIDENT OF THE UNITED STATES

*1868 *Chas. Pfizer & Co. outgrew its modest offices at 17 Beekman Street and moved to 81 Maiden Lane*

¶ Nineteen years old—a sturdy stripling not yet voting age—that was Chas. Pfizer & Co. in 1868. Yet already the foundations were laid for Pfizer's steady future growth and expansion. The firm had already established the reputation it has carried unbroken throughout its ninety years of existence—a reputation for high standards of purity, quality, dependability.

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Heavy Chemicals

Potash Perchlorate, Soda Chlorate and Oxalic Acid Renewed —Lead Arsenate and Soda Hydrosulphite Prices Advanced —Antimony Oxide Lowered — Lead Silicate Easier

Developments in the market for heavy chemicals revolved around contract renewals for 1941 and a few price adjustments. Current prices were carried into the first quarter of next year for potash perchlorate, soda chlorate, oxalic acid, various grades of lime, soda hyposulphite, strontium nitrate, sulphur chloride and dioxide. Quotations for lead arsenate and soda hydrosulphite were higher, while lead silicate and antimony oxide were reduced. Business continued in good volume, and the outlook was favorable.

Export inquiries reached the market steadily, and business was good in materials that were available. However, most of the demand centered in products that were difficult to obtain. Red phosphorus and potash chlorate were especially sought after, but offerings were negligible. Potash caustic and carbonate have been exported to the United Kingdom and South America. The imports to the former country were handled by the cartel formed by the government. Alumina sulphate, calcium carbide, chlorine, copper sulphate, alkalies, soda phosphate and soda silicate moved in good quantities in the export market.

Alums.—Steady demand. Prices unchanged and firm.

Alumina Sulphate.—Business moderately active. Prices rule firm. October exports 7,085,047 pounds, value $81,911.

Alumina Hydrate.—Steady to firm price tone. Buying moderate.

Ammonia, Anhydrous.—Sellers concerned with contract renewals. Movement seasonal. October exports 1,467,198 pounds, valued $80,226.

Ammonia, Aqua.—Shipments move at good pace. Quotations well maintained.

Ammonia Bicarbonate.—Market routine. Prices without alteration.

Ammonia Bifluoride.—Fair interest. Quotations lack change.

Ammonia Nitrate.—Market retained its strong position, with buying steady.

Ammonia Perchlorate.—Spot stocks depleted. Prices withdrawn.

Ammonia Persulphate.—Small lots made up the call. Prices firm.

Ammonia Silicofluoride.—Purchases held close to nearby needs. No change in the quotations.

Ammoniac, Sal.—Shipments moderately active. Market position firm. October imports 87,038 pounds, valued at $1,897.

Antimony Metal.—Domestic spot price unchanged. The call irregular.

Antimony Oxide.—One factor offering car lots 11c. per pound and less car lots 12½c. while others adhere to 13c. and 14½c. per pound respectively.

Arsenic.—Movement of white steady; stocks of red negligible. Prices firm. October imports 777,623 pounds, valued at $22,038.

Barium Carbonate.—No new price developments. Buying moderate.

Barium Chlorate.—Spot stocks small, and prices strictly nominal.

Barium Chloride.—Business moderately active. Quotations the same.

Barium Hydrate.—Buying irregular. No change in the prices.

Barium Nitrate.—Steady inquiry, and position of market firm.

Barium Oxide.—Consumers made necessary replacements as a rule.

Bleaching Powder.—Purchasing routine against contracts. Prices unchanged and firm. October imports 44,644 pounds, valued at $3,831, all from Japan.

Calcium Acetate.—Business spotty. Prices well maintained.

Calcium Carbide.—Demand moderate. Prices rule firm. October exports 2,453,807 pounds, valued $137,951.

Calcium Chloride.—Good demand for ice control work, while other consumers supplied satisfactory interest. Prices unchanged. October exports 511,190 pounds, valued $9,006.

Carbon Bisulphide.—Shipments move steadily. Quotations firm. October exports 697,590 pounds, valued $33,304.

Carbon Tetrachloride.—Steady demand. Market position firm and prices unchanged.

Price Changes

Advanced

Lead arsenate, ½c. per lb.
Soda hydrosulphite, 1c. per lb.

Reduced

Antimony oxide, 2c. per lb.
Lead silicate, 21 pts. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
157.4	156.8	156.8	149.4

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	99.0

Market news that may have developed after this report was sent to press will be found on page 4.

Chlorine.—Withdrawals continued sufficient to keep stocks at low levels, and position of market was strong. October exports 1,291,342 pounds, valued $28,055.

Cobalt Oxide.—Selling limited to regular consuming channels. Prices unchanged and firm. October imports 62,300 pounds, valued $92,836.

Copper.—Primary producers continued to allocate fair size quantities. Outside market and custom smelters quote 12¼c., while producers adhere to the 12c. per pound level. Prices in export market range from 10½c. to 12c. per pound.

Copper Salts.—Prices firm and unchanged. Moderate demand.

Copper Sulphate.—Shipments moved well, and market was firm. October exports 4,946,952 pounds, valued at $199,291.

Fluorspar.—Shipments steady and prices display firmness.

Glauber's Salt.—Commitments were steady, and market in firm position.

Lead Silicate.—Prices lowered 21 points, making 5-ton shipments in bags $6.38 per 100 pounds, and less than 5 tons, $6.80.

Lime.—Prices for various grades will be unchanged for first quarter of 1941. Demand moderately active.

Magnesite.—Domestic prices firm, with inquiries exceeding available supplies.

Manganese Dioxide.—Selling limited to normal requirements against contracts. Quotations firm.

Nickel Salts.—Firm price tone, with purchasing steady.

Phosphorus.—Selling of Red restricted to domestic channels for actual needs; buying of yellow fair. Prices remain firm.

Potash Carbonate.—Business moved steadily against contracts. Prices held firm.

Potash, Caustic.—Shipments moved well, and market retained its firm position.

Potash Chlorate.—Offerings limited to domestic channels and to regular

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

consumers for normal requirements. Market position strong. October imports 11,200 pounds, valued at $513, all from France.

Potash Cyanide. — New domestic producer, assuring additional domestic supplies. Demand fair. October imports 1,120 pounds, valued at $414.

Potash Perchlorate.—Prices extended into early part of next year at firm levels. Selling limited to regular consuming trade.

Salt.—Firm price tone, with buying steady.

Saltcake. — Good demand. Prices nominal. October imports 636 tons, valued at $9,850, all from Canada.

Soda Ash.—Consumers continued to make moderate replacements against contracts. Prices unchanged. October exports 9,180,252 pounds, valued at $128,489.

Soda Bicarbonate.—Business routine. Prices unchanged and firm. October exports 2,326,348 pounds, valued at $40,454.

Soda Bisulphite. — Firm price tone prevailed, while dealings were moderately active.

Soda Caustic. — Shipments moved steady to basic consuming channels. Prices held unchanged. October exports 15,179,502 pounds, valued at $347,500.

Soda Chlorate.—A leading seller extended current prices into 1941, subject to quarterly adjustment. Business held to regular chanels.

Soda Cyanide.—Demand continued good, and market position held firm. October imports 4,152,314 pounds, valued at $167,564.

Soda Hydrosulphite. — Prices advanced 1c. per pound, ranging from 17c. to 18c. per pound. Demand steady. October imports 3,000 pounds, valued $600, all from Switzerland.

Soda Hyposulphite.—Current prices carried into early part of 1941 at same levels. Business moderate.

Soda Nitrate.—The call was steady, and prices were firm.

Soda Phosphate. — Withdrawals moderately active. Prices steady to firm. October exports 567,655 pounds, valued at $25,254.

Soda Silicate. — Steady movement against contracts. Prices firm. October exports 1,238,703 pounds, valued at $22,201.

Soda Silicofluoride.—Domestic sellers adhere to policy of supplying regular consumers. Market position tight. October imports 115,218 pounds, valued at $4,991, all from the United Kingdom.

Soda Stannate. — Prices held unchanged, and tone about steady. Business moderately active.

Soda Sulphide.—Firm price tone, with transactions steady.

Strontium Nitrate.—Prices renewed for early part of 1941. Routine demand against contracts.

Sulphur Chloride. — Prices carried into first quarter of 1941 at current levels. Business routine.

Sulphur Dioxide. — Quotations remain firm for early part of next year. Moderate interest.

Tin Salts.—Prices for various tin derivatives held unchanged. Business was irregular. Straits metal held around 50.20c. per pound.

Zinc Chloride. — Moderate demand. Pricewise a firm tone prevailed.

Acids

Extension of current prices for oxalic acid provided the feature to the market for mineral acids last week. Sellers will accept contracts for 1941, subject to usual quarter revision. Prices for other mineral acids have been released previously, and sellers were busily engaged in writing forward business. Shipments moved well to various consuming channels, and the general tone of the market was one of firmness.

Acetic.—Prices display steady to firm tone, while shipments moved steadily. October exports 320,820 pounds, valued at $24,561.

Battery. — Buying routine. Quotations without change.

Chromic.—Shipments moved steadily to plating trade. Prices firm.

Formic.—Market position firm, and business steady.

Gallic.—Call conservative. Nothing new occurred in the prices.

Hydrofluoric. — Prices firm, and transactions moderate.

—Continued on page 29

Michigan Drug Ass'n Elects Bedell President

A. S. Bedell, of Beauty Counselors, Inc., Detroit, has been elected president of the Allied Drug and Cosmetic Association of Michigan.

A. S. Bedell.

Other officers elected were:—Vice-president R. P. Cole, of Eaton Clark & Co.; secretary, M. G. deNavarre, and treasurer, R. L. Clarke, of the Hazel Atlas Glass Company. G. Buck, of the Standard Oil Company, and O. Wegner, of the Nelson Baker Company, were elected to the executive committee. The retiring president is Walter Daniel, of Parke, Davis & Co., who will, however, serve on the executive committee during 1941.

O. E. Jones and Albert F. Hunt, vice-presidents of Swift & Co., have been named to the directorate of the company.

Proprietary Medicine Exports Reported for October

Proprietary medicines exported from the United States during October have been tabulated by the Bureau of Foreign and Domestic Commerce. The value of the various classes of products exported in October was as follows:—

Classification.	Value.
Mouth washes and gargles	$24,600
Corn and foot remedies	5,104
Plasters	38,472
Liniments	6,738
Salves for burns, cuts and skin diseases	33,304
Salves for coughs, colds and catarrh	49,962
Cold, cough and bronchial preparations	44,203
Catarrh, asthma, and hay fever preparations	13,003
Malaria and chill preparations	23,698
Tonics and blood purifiers	167,369
Laxatives and purgatives	63,948
Milk of magnesia	14,894
Digestive preparations	8,500
Headache, neuralgia, and pain remedies	70,977
Other proprietary medicinals	249,205

Cabot Buys Refinery

Godfrey L. Cabot, Inc., carbon black manufacturer, Boston, has purchased the Smith Brothers Oil & Refining Company's refinery at Kermit, Tex. Purchase price was $1,000,000.

N.Y. Drug Club Plans Christmas Party Dec. 23

The annual Christmas party of the Drug and Chemical Club, this city, will be held December 23 from four in the afternoon until closing. Dinner will be served at seven in the evening. The cost is $4 per person and a portion of the receipts will be donated to the Children's Christmas Party held by the Beekman Hospital.

Reservations should be made at once because restricted space will limit attendance. The dinner committee includes William D. Barry, of the Mallinckrodt Chemical Works; Donald Bokee, William A. Bonner, Albert N. Butler, Herbert Bye, Raymond N. Caverly, Richard V. Goodwin, J. Charles King, Robert B. Magnus, of Magnus, Mabee & Reynard, G. H. Niemeyer, of Handy & Harmon; S. B. Penick, jr., of S. B. Penick & Co.; John L. Smith, and V. E. Williams, of the Monsanto Chemical Company. John J. King is chairman of the art and entertainment committee.

National Gypsum Company, Buffalo, stockholders will meet December 20 to ratify the sale to four insurance companies of $6,000,000 15-year 3 percent debentures.

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Heavy Chemicals

Acids

—*Continued from page 28*

Lactic.—The call was spotty. Prices steady to firm.

Muriatic.—Purchasing steady. Prices rule firm. October exports 348,319 pounds, valued at $8,610.

Nitric.—Firm price tone prevailed, while dealings continued steady.

Oxalic.—Prices will be carried into early part of 1941 at current levels. Selling restricted to regular consuming channels.

Phosphoric.—Routine interest. Prices lack any change.

Sulphuric.—Sellers writing contracts for next year at firm levels. Movement to basic consuming industries continued satisfactory against contracts. October production by 54 fertilizer manufacturers totaled 222,476 tons, against 193,243 in September and 205,024 in October a year ago. For the first 10 months output aggregated 1,996,303 tons, compared with 1,623,238 tons in the like period last year.

Baltimore, Dec. 4.—The failure of sulphuric acid prices to advance is a matter of real surprise to producers. Just what

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is keeping acid at the old level, with quotations nominally at $12 per ton for 60 degree and at $15 per ton for 66 degrees acid, seems to be something of a puzzle, to which no satisfactory answer has yet been found. According to all calculations a shortage in acid should have made itself felt before now, but reports so far still represent the situation as being without change. The time for new contracts covering the needs of consumers for the new year is on and it is altogether likely that a number of new commitments have already been entered into, but admissions that any marking up of prices has occured are not yet being made. Oleum also is still held at the old nominal figure around $17 per ton for 20 percent supplies, both pyrites and brimstone.

Insecticides

An advance in the prices for lead arsenic provided the most important development in the market for agricultural insecticides and fungicides last week. Previously prices were ranged, but later all sellers conformed with the higher price. As far as activity was concerned, not a great deal could be said. Business was concentrated mostly in the South and Pacific Coast. Export inquiries reached the market in satisfactory volume.

Calcium Arsenate.—Prices unchanged and firm. Not much activity. October exports 921,700 pounds, valued at $37,588.

Lead Arsenate.—Prices ½c. higher, ranging from 9½c. for car lots to 10c. for less car lots. October exports 332,541 pounds, valued at $26,411.

Nicotine Sulphate.—Market quiet. Prices unchanged and tone firm. October exports 33,095 pounds, valued at $19,981.

Chemicals and Services Listed by Edwal Company

A bulletin describing the service and listing the chemicals available from the manufacturing division of the Edwal Laboratories, Inc., was recently issued by the company. Among the special items or very pure products on which data is presented in the catalog are alloxan, allyl compounds, normal butyl bromide, ethyl iodide, hydrazine compounds, methyl iodide, orthophenylenediamine, para-aminophenol sulphate, and a number of phenyl mercuric compounds. A copy of the bulletin may be obtained by writing Edwal Laboratories, Inc., 732 Federal street, Chicago, Ill., mentioning the REPORTER.

Innis, Speiden to Sell For Cowles Co. in Ohio

Innis, Speiden & Co., manufacturers and distributors of heavy chemicals, New York, have recently been appointed as Ohio distributors of 'Drymet,' 'Crystamet' and 'Dryorth,' powdered silicate products of the Cowles Detergent Company, Cleveland.

Don Cushman

Don Cushman is Cleveland manager for Innis, Speiden & Co. Innis, Speiden & Co. will carry a stock of Cowles heavy chemicals in Cleveland to serve the Ohio and Western Pennsylvania markets.

Leslie Salt Company has purchased 1,500 acres of land in Redwood City which eventually might be used as a site for a crude salt plant. Purchase price was $230,000.

Trade Briefs

McGean Chemical Company, Cleveland, plans the erection of a one-story unit, to cost more than $50,000.

National Fireworks, Inc., Boston, has announced that the Manufacturers Trust, New York, has been named trustee, paying agent and registrar for $1,000,000 serial five percent notes, dated November 1, 1940; maturing serially to November 1, 1945.

Triple R Chemical Service has been incorporated in Los Angeles, with 100 shares of no par value capital stock. Its Directors are J. R. Robinson, Lydia M. Romoro, and Waldo D. Rice, and it is represented by Maurice Schulman, 510 West Sixth street, Los Angeles.

Continental Can Company, this city, directors have authorized the redemption January 2, 1941, of the 200,000 shares of outstanding $4.50 cumulative preferred stock. To finance the redemption of the preferred stock, the directors authorized the private sale of $21,000,000 of twenty-five-year 3 percent sinking fund debentures to three life insurance companies.

Chemical Engineers Discuss War Effects

—Continued from page 3

Kensington, Pa., was elected president of the group for the coming year.

Among those who addressed the meeting on the status of the scientific investigator in time of war was James W. Irwin, assistant to the president of the Monsanto Chemical Company. He declared that scientists in dictator-governed countries are forced to bend their efforts toward making materials or war. Therefore, he added, they have had to leave their basic research problems. By contrast, he continued, American scientists, working in university and commercial laboratories, are not obliged to kowtow to the desires of government officials, and can continue their normal research.

Highlight among the technical papers presented during the sessions was a report by Dr. E. C. Williams, vice-president and director of research of the Shell Development Company, describing a process for producing glycerin from petroleum. Dr. Williams stated that his company was already operating a semi-commercial plant using the new process. In addition to stressing glycerin as a defense material, he declared that the process may also open the road for further chemical pioneering involving the use of glycerin.

Another technical paper, prepared by T. P. Simpson, E. S. Nichols, and J. W. Payne, of the Socony-Vacuum Oil Company, discussed a new kiln now in use in several petroleum refineries, which was developed to achieve increased efficiency in clay regeneration. Emphasized was the broad potential of the kiln in chemical and industrial applications.

"A number of possible applications of the kiln were suggested, such as regenerating bone char used in sugar refining, heat treating or burning ores, particularly in operations where it may be desirable to recover vapors, such as those from sulfide ores, roasting, heat treating or drying of granular foods, and distillation of oil from shale," the paper stated.

The production of gypsum plaster by wet methods was related in a paper delivered by E. P. Schoch and William A. Cunningham, of the University of Texas. It was said that calcium sulphate hemi-hydrates produced by heating gypsum in various aqueous solutions have distinctive crystalline form and physical properties, and seldom produce a good plaster. However, hemi-hydrate produced in a magnesium sulphate solution was said to produce excellent plaster of Paris, having high tensile and compressive strengths, which can be increased further by moderate grinding.

Other technical papers presented at the convention discussed the elimination of viscosity as a factor in determining rotameter calibrations, chemical industries in the deep South, economics of design and operation for pressure maintenance and condensate recovery, packing columns for close fractionation packing, distillation equipment employed in the petroleum refining industry, the packed-tower collection of phosphoric acid, and the flow of muds and suspensions in circu- pipes.

Manufacturing plants, including those of the Shell Petroleum Company, in Norco; the American Sugar Refinery, in New Orleans; the Freeport Sulphur Company, in Grand Ecaille; the Hercules Powder Company naval stores unit, in Hattiesburg; the Masonite Company, in Laurel; and the Sweet Potatoes Growers, Inc., starch plant, in Laurel, also were visited by the delegates at various times during the meeting.

Other officers elected to serve with Dr. Frary during the coming year are:—Vice president, Sidney D. Kirkpatrick of *Chemical and Metallurgical Engineering*, New York; secretary, Stephen L. Tyler, of New York (re-elected); and treasurer, C. R. DeLong, of New York (re-elected).

The following directors were elected to serve for a term of three years each:—James G. Vail, vice president of the Philadelphia Quartz Company, Philadelphia; R. Lindley Murray, director of development of the Hooker Electrochemical Company, Niagara Falls, N. Y.; Norman W. Krase, of E. I. duPont de Nemours & Co., Wilmington, Del.; and Albert E. Marshall, president of the Rumford Chemical Works, Providence, R. I.

Du Pont to Operate U.S. Ammonia Plant

The War Department announced today the award of a contract totaling $15,000,000 to the E. I. du Pont de Nemours & Co., Wilmington, for the design, equipment and construction of an ammonia plant located near Morgantown, W. Va., construction to be completed in about ten months and full operation in about eighteen months.

The du Pont Company will also operate this plant, employing approximately 1,200 men, for the manufacture of anhydrous ammonia, a basic element necessary to the production of explosives. Approximately 800 acres of land have already been purchased as a site. The title to the plant and equipment will remain with the government. This is a cost-plus-fixed-fee contract, and was cleared by the Advisory Commission to the Council of National Defense.

Technical Books Catalogued

A new Fall catalog of technical and scientific books has been issued by the Chemical Publishing Company. The list contains many new titles in all fields, in addition to the standard and authoritative volumes included in previous catalogs of the company. A copy of the catalog may be secured by addressing the Chemical Publishing Company, 146 Lafayette street, New York, mentioning the REPORTER.

DuPont Co. Now Making Potash Cyanide Domestically

Domestic manufacture of potash cyanide has been announced by E. I. du Pont de Nemours & Co. Production of the material is under way in the company's R. & H. chemicals department. The du Pont Company is a large manufacturer of soda cyanide.

Chemical Workers And Payrolls Gain

—Continued from page 3

Detailed Comparisons

Employment

(100 = 1923-25 average)

	Oct., 1940.	Sept., 1940.	Oct., 1939.
Chemicals	145.6	143.4	133.6
Cottonseed oil, cake and meal	127.6	81.0	138.7
Druggists' preparations	118.6	117.5	116.7
Explosives	114.9	147.8	104.2
Fertilizers	95.5	95.6	98.5
Paint and varnishes	125.0	126.1	125.1
Petroleum, refined	120.6	122.6	122.7
Rayon and allied products	311.6	311.7	310.2
Soap	90.3	82.4	90.4

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment,		Payroll totals.	
	Oct., 1940.	Sept., 1940.	Oct., 1940.	Sept., 1940.
Metalliferous mining	72.6	72.6	71.5	69.6
Quarrying and non-metallic mining	48.4	49.0	46.2	46.6
Crude petroleum producing	61.8	63.1	58.3	57.4
Dyeing and cleaning	109.6	110.0	82.7	85.6

Employment in New York

Employment in factories producing chemicals and related products in New York State decreased 0.3 percent from September 15 to October 15, but gained 0.6 percent in the city, according to the records of the State Department of Labor.

General factory employment increased 2.7 percent from September 15 to October 15, and payrolls gained 2.9 percent during the same period. The department's index of employment for October 15 was 99.9. The payroll index was 101.0. These indexes are based on the average years 1925-1927 as 100.

	Percentages. State.	City.
Drug and industrial chemicals	+ 1.0	+ 2.1
Oil products	— 0.5	— 1.3
Paints and colors	+ 0.9	+ 1.5
Photographic and miscellaneous chemicals	— 1.1	+15.1

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Paint Industry Jobs Defined

—*Continued from page* 3

flow from scale tank to batch mixers; adds specified amount of powdered pigment to the oil; starts machine agitator and allows batch to mix for a designated time, adding additional quantities of pigment when necessary to obtain a mixture of prescribed consistency; may clean batch mixer.

Blender:—(Furniture Finish Blender, Lacquer Blender, Varnish Blender): —Blends various ingredients, such as linseed oil, resin, and driers, to produce commercial varnishes and lacquers according to specifications—fills kettle or agitator tank with prescribed amount of oils, resin, and driers; heats mixture to a specified temperature and mixes it by hand or mechanical means until a uniform liquid is formed; draws off a sample from the batch into a test-tube and compares its viscosity with that of a standard sample in a similar test-tube; makes necessary additions of heavier or lighter varnish (or lacquer) to bring mixture to standard viscosity (see also varnish maker, enamel maker).

Boiler:—Boils the oils, resins, and gums used in the manufacture of paint varnish, and linoleum—pumps linseed oil or melted gums mixed with oil into heating tank; kindles fire in furnace and heats mixture to specified temperature; removes tank from furnace upon completion of the boiling process.

Capper Operator (Can Closer, Crimper, Friction Plug Insertion Machine Operator, Header Operator):—Secures caps (tops) on filled cans of paint, white lead, and other paint products by operating an automatic can-closing machine—fits lid loosely in can and places it in grooved slot under chuck of machine, or inserts can into feeding mechanism; starts machine by pushing lever until machine automatically sends chuck down upon lid to clamp it against the rim opening of the can; removes can from machine. May operate automatic friction plug insertion machine which automatically inserts and clamps lids.

Checker, Load (Shipment and Supplies Checker):—Checks all incoming materials and outgoing finished products at the factory wharf and stores finished goods in designated locations—checks incoming raw materials and supplies weighing several units in each shipment to determine average weight; tallies receipt of cartons, drums, and other containers; stores and keeps records of all materials on hand.

Chemist:—Conducts a series of chemical tests of raw materials, paints, and varnishes to ascertain that they meet with plant standards:—(1) Tests raw materials by pumping samples of lead, zinc, or barytes in a container and mixing thoroughly with a chemical solution; observes chemical reaction and approves or rejects material according to findings; (2) makes varnish test by pouring sample in a test-tube and comparing it with standard varnish; applies varnish to a board to test it for drying qualities; (3) makes paint test by heating a sample to a specified temperature then pouring it into a cup, checking the rate of flow with a stopwatch. May mix new formulas. Supervises, and is assisted by paint and varnish technician and spray man.

Clarifier (Clarifier and Filterer):—Operates a clarifier machine to remove lumps, sediment, and flakes from paint products thereby producing a smooth salable product—starts clarifier and stirs materials in supply tank with a hand paddle; opens valve permitting fluid to flow from supply tank to clarifier; observes operation to ascertain when tank is empty so process may be repeated.

Color Card (Or Sheet) Girl:—Paints and mounts color cards or sheets on color-advertising folders—closes switch to start compressor on spray gum; sprays liquid color evenly on glazed paper cards, sheets, and panels; cuts cards or sheets to proper size and glues them to the advertising folder.

Cover Marker (Code Number Stamper, Lid Stamper, Stamper):—Operates a stamping machine to imprint code numbers on container covers (lids) indicating the contents of the container and the filling date—feeds covers (lids) into machine and depresses pedal thus stamping company code number on them; removes stamped lids from machine; keeps daily production record.

Demonstrator:—Demonstrates paint products before gatherings of paint dealers or customers to prove their quality and also to answer customers' complaints. May also make tests for viscosity, color, and drying qualities of paint, and instruct customers in the methods of applying paint properly. Paints sample panels for salesmen.

Disintegrator Feeder (Mill Tender): —Maintains a fixed feed (mechanically or by hand) into a machine designed to further pulverize the various solid particles of paint.

Enamel Maker (Enamel Blender, Enamel Thinner, Tinter, and Filler): —Reduces consistency of enamel base by adding thinning agents and coloring matter to produce desired texture and shade—lowers power-agitating paddles into enamel tank; adds thinner and pigment to enamel according to formula; compares finished product with standard sample. May fill containers with finished enamel product.

Filler (Can Filler, Drum Filler, Fillout Man, Strainer and Filler, Varnish and Stain Packer):—Fills tubes, cans, drums, or other containers with paint, varnish, lacquer, white lead, putty, and oils—(1) Fills tubes by placing opening of empty tube over discharge spigot of tube-filling machine; opens spigot permitting paste to flow into tube and turns filling drum plunger wheel to force the paste into the tube; (2) fills drums, places strainer cloths over supply tank and bung hole of drum; opens valve leading from supply tank to strainer tank; opens faucet of strainer tank leading to drum; (3) fills other containers, such as barrels, cans, or pails by placing them under supply tank outlets and opening slides or spigots permitting paste, paint, etc., to fill containers; compresses lids on containers by hand and places them on conveyor leading to the capper operator.

Filter Press Room Attendant (Centrifuge Operator):—Removes all foreign matter from varnishes and lacquers by operating centrifuges that roughly filter them preparatory to a more thorough process by the filter press if necessary—places cheesecloth over strainer tank for rough filter; starts steam pump to pump liquid into strainer tank; opens valve to permit liquid to flow into centrifuge supply tank; when filtered by centrifuge opens valve to permit liquid to flow into filter press or storage tank; cleans centrifuge.

Filter Press Man (Varnish Filterer): —Filters sediment from base varnish to conform with standards for clearness by operating filter press—supplies receiving drum with base varnish by connecting pipeline from storage tanks; connects pipelines from receiving drum to filter press; starts pump drawing varnish and prevents sediment from binding filter press by adding filter-self; observes varnish passing into filter press until satisfied filter-self is thoroughly distributed through filter press; takes sample to varnish inspector.

Filterer:—Operates a filter press to remove all water from white lead—starts machine and adjusts valve to regulate flow of white lead (which is suspended in water) until filter press storage containers are filled; pumps water from filter press container, leaving white lead residue; moves lever to apply pressure and squeeze out all water remaining in white lead residue.

Floorman:—Maintains mill grinding stones in proper condition (see mill dresser).

Formulator:—Creates paint and varnish formulas to match samples or to originate competitive paint products—(1) makes formulas to match samples by weighing ingredients and pigments and thoroughly mixing them with a spatula; grinds mixture in a miniature grinding mill and catches the paste as it emerges at the discharge end of the mill; mixes additional pigments into the paste until color compares to that of sample; makes routine tests as to viscosity and weight of paint per gallon, and checks its covering qualities by spray-painting glass or metal panels; or (2) devises new formulas by repeating procedure as outlined; checks results if new formula has been found.

Grinder, Color (Color Maker):—Grinds various pigments according to formula to obtain desired paint color—thoroughly mixes pigments in hopper of mill; adjusts mill so that material can pass freely from mill hopper to grinding surfaces.

Grinder, Dry White Lead:—Grinds chipped lead carbonate into finely ground dry white lead and places it in barrels preparatory to shipment—starts grinding mill, barrel-filler, and feed-conveyor which carries lead chips to the hopper of grinding mill; starts suction fan which draws the ground lead particles into the barrel filling hopper when they have passed through the mill; adjusts barrel-filling nozzle to bunghole of barrel, and fills barrel with finely ground white lead.

Grinder, Linseed Oil:—Operates stone mills to grind linseed oil with lead paste to produce a finished white lead product—starts the mill and adjusts the various control wheels to regulate the vertical distance between the horizontal stones of each mill; opens discharge gate of the mixing tank permitting the lead paste to flow into the first mill and then through the second mill for final grinding; pumps ground lead paste to a storage tank; fills containers with white lead (see also mill man, linseed oil).

Grinder, Lithopone (Lithopone Mill Man):—Grinds lithopone, a white pigment and paint filler used in place of white lead in paint manufacture, into a fine powder by operating a grinding mill—feeds dry lithopone to the mill hopper; starts mill and opens feed chute from the hopper; observes process and makes any necessary adjustments to the grinding rollers; places paper bags under mill spout for automatic packing.

Grinder, Paint (Ball Mill Operator, Banbury Mill Operator, Burr Mill Operator, Chillean Mill Operator, Crusherman, Lacquer Grinder, Millman, Stone Grinder Operator, Stone Mill Operator):—Grinds various mixtures, such as paints, enamels, lacquers, and paste paint, to a prescribed degree of fineness by the operation of grinding mills—starts mill and opens feed chute leading from mill hopper; regulates control gate on hopper to maintain a steady flow of paint to the rollers of the grinding mill; adjusts grinding rollers as necessary; applies a test sample of paint (lacquer, etc.) to a piece of glass or tin to ascertain if it has been ground to specifications.

Grinder, Water (Lead):—Operates various pieces of mixing and grinding equipment to produce lead pulp by mixing and grinding white lead buckles and chips with water—starts all equipment including steel rollers, reels, shaker screens, blowers, stone mills, and mixing tanks designed so that the lead pulp is automatically processed; adjusts all air, lead pulp, and water lines to obtain the correct flow of materials through the processes; adjusts rollers so that lead particles will be ground to the prescribed degree of fineness; opens gates permitting ground dry white lead to flow from the storage tank to the water mixing tank thence to the settling tanks where the water is drained off; operates pump to transfer lead pulp to final storage tanks.

Heading-Up Machine Man:—Operates a machine to put a head or top on a cask, a barrel, or steel keg—sets head in top of barrel and places barrel under a revolving mandrel which attaches the head to the barrel by tightly clamping ears under the rounded edge.

Hoist Man:—Sets up, operates, and maintains various pieces of lifting equipment to transfer and deposit lead in the pot houses—sets up hoisting apparatus above lead stacks or pot houses; lowers loaded wheelbarrows into stack for unloading; pulls tanbark loading conveyor in front of stacks; supervises group of workmen who feed tanbark conveyor. May oil bearings, examine ropes, and make minor repairs.

Kettle Man (Cooker, Gum Cooker, Gum Reducer, Gum Runner, Kettle Loader, Oil Cooker):—Cooks in a kettle the necessary ingredients, such as slag lead, resins, and gums, to make paint, varnish, and oils to prescribed specifications—shovels dry ingredients into kettle or opens valves to permit flow of liquids from storage tank into

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kettle; kindles fire under kettle and observes cooking process, periodically stirring ingredients with a paddle so that the heavy particles do not settle; notes the temperature and ascertains if batch is cooking properly; draws off finished product into reducing tanks or pumps it to storage tanks.

Laboratory Assistant:—Assists paint and varnish technician by performing routine tests on raw materials for color, viscosity, and covering and drying qualities.

Lacquer Maker (Can):—Cooks certain raw materials, such as thinners, gums, and chemicals, into a special lacquer liquid used in the canning industry to coat the inside of cans to prevent corrosion—weighs and measures ingredients according to formula; loads cooking tank equipped with agitating paddles; turns on steam valve to heat tank; starts agitator paddles; observes temperature and pressure gauges and makes necessary adjustments to control cooking process according to specifications; drains liquid into filter press for further processing before storage.

Lacquer Man (Lacquer Machine Operator, Lacquer Maker, Lacquer Mixer):—Operates various grinding mills (Jar-type, Stone Mill, or Roller Mill) and a mixer to provide properly compounded and tinted lacquers—starts mill and portable mixer to grind and mix ingredients; places materials, such as gums, paint pigments, and thinners, in mill; dumps prescribed amounts of coloring and lacquer ingredients into portable mixing kettle and places it under mill; takes sample from batch and strains it into a small can; paints test panel with spray gun; heats the prepared mixture with a steam coil to cause the wax to rise to the top of the solution and then settle to the bottom to be drawn off into a clean tank; adds proper color to tint the batch to meet plant specifications.

Laundry Man:—Operates a washing machine to clean rags used to wipe up paints, lacquers, etc., which have been spilled on the floor of the plant—fills washing machine with hot water and adds soap and caustic soda; loads machine with paint-soiled rags; starts machine, and when rags are sufficiently washed drains machine and refills it with clear water for rinsing; dries cleaned rags by passing them through wringer or by means of a centrifugal drier; cleans washing machine.

Lead Blower:—Operates a blower furnace and a compressed air machine to melt and then blow lead into a fine dust—starts pump to feed oil to the furnace; operates elevator to load furnace with pig lead; melts lead in furnace; adjusts compressed air machine to blow molten lead into fine dust.

Lead Reclaimer Operator (Mining Camp Operator): — Reclaims white lead particles mixed with tanbark during white lead corroding process by washing them from the tanbark—opens valve to spray water in white lead reclaiming cradle; shovels mixture of tanbark and white lead particles on to conveyor which carries it to the cradle, where the spray separates the lead from the tanbark; turns switch to rock cradle and starts conveyor.

Litharge Burner (Furnace Man, Furnace Tender, Lead Oxide Furnace Man, Red-Lead Furnace Tender):—Builds and tends fire in a furnace and charges it with lead carbonate and other ingredients to produce litharge, a product used in paint and varnish manufacture—kindles fire in furnace and loads melting kettles or furnace receptacles with lead or other ingredients; secures samples for laboratory tests during heating process; draws out charge when properly heated, usually by operating a series of screw conveyors or bucket-type elevators used to transfer litharge to the litharge grinder where it is pulverized for packing. May pack finished product in barrels.

Litharge Mill Operator:—Operates a mill to grind litharge into a fine powder for use in the manufacture of paint products, glass, and pottery—pulls lever to start conveyor to carry litharge to feed hopper and starts mill. May fill barrels with ground litharge.

Lithopone Charger:—Charges lithopone furnaces with various substances, such as barium sulphate, zinc sulphide, and turpentine, to make a lithopone powder used in the manufacture of paint products.

Lithopone Pigment Presser:—Mixes lithopone acid with another acid in a raw pigment press tub—pumps lithopone acid from storage tank to press tub; adds other ingredients according to formula; mixes materials by hand or by agitator machine; removes mixture when properly blended.

Mill Charger:—Fills feed hoppers of the various grinding mills with paint ingredients, such as oils, pigments, driers and thinners.

Mill Dresser (Buhr, or Burr, Millstone Dresser, Stone Dresser, Millstone Cleaner):—Resurfaces and grinds the mill grinding stones with a stone-dressing grinder and an air drill to maintain them in proper working condition—dismantles grinding mill by means of a portable hoist; starts electric grinding wheel and applies it to the stone; drills stone with air drill to cut out depressions in stone center. May install hand-operated agitators for mixing paint in wooden barrels.

Mill Man, Linseed Oil:—Crushes linseed oil from ground flaxseed by operating a linseed oil mill—moistens ground seed with water or steam to start separation of the oil from the seed; dumps wet flaxseed into mill hopper; starts mill and adjusts feed gate to permit an even flow of seed from the hopper to the grinding rollers of the mill (see also press man).

Mill Set-Up Man (Mill Takedown and Assembly Man):—Dismantles improperly working or broken mills and reassembles them when grinding stones have been dressed and reconditioned by the Mill dresser—loosens top frame with hand wrench to free upper millstone; lifts stone from frame with hoist and deposits it on a hand truck; when stone has been reconditioned, resets it and reassembles mill.

Miller:—Mixes oil and white lead pulp in a paint mill—opens valve to allow oil to flow into mill; starts mill and opens valve to admit steam to mill jacket thus heating the mixture; drains finished mixture into cooling and storage tank.

Mixer (Paint Maker, Paste Mill Operator, Raw-Mix Man):—Operates various pieces of mixing machinery to blend paint ingredients, such as zinc oxide, lead, pigments, linseed oil and thinners—loads mixing tank with proper amounts of ingredients specified by plant formula; starts mixing machine and agitator paddles; when thoroughly blended, opens feed gate permitting mixture to flow to storage tank or grinding mill. Sometimes specifically designated according to type of mixing performed as "Raw-Mix Man."

Mixer, Cold-Mix (Cold-Mix Maker):—Mixes, according to formula, cold ingredients, such as solids, pastes, and varnishes to manufacture certain types of paint.

Mixer, Lead:—Operates a mixing machine to mix linseed oil and pulp lead to manufacture lead paste—starts agitator paddles and opens valve to admit linseed oil and pulp lead to the mixing tank; opens steam valve to heat tank; draws off water which comes to the top of the mixing tank as paste settles to the bottom; keeps production records of batches made (see also pulp machine operator).

Muffle Man:—Tends muffle furnace in which natural barytes is heated with charcoal and added to other ingredients, usch as zinc sulphide and barium sulphate, to produce lithopone, a substance used in the preparation of paint products.

Oxidizer:—Adds to linseed oil prescribed quantities of various ingredients, such as nickel, manganese, or litharge, to stimulate oxidation.

Paint and Varnish Technician (Color Expert, Color Tester, Laboratory Technician, Dry Color Tester, Tester):—Assists chemist by performing routine duties in the making of chemical tests (see also paint tester).

Paint Tester (Paint Inspector, Toner, Viscosity Inspector and Master Standard Keeper):—Conducts series of tests on batches of paints, enamels, etc., to ascertain if products meet plant specifications and standards—(1) makes quality test by comparing product with standard sample; (2) makes viscostiy test by comparing rate of flow of product with that of the sample; (3) weighs sample product to determine weight per gallon (see also paint and varnish technician; varnish inspector).

Pebble Mill Operator:—Grinds paint and varnish pigments in a pebble mill and mixes them with thinning agents according to formula—loads the pebble mill (a machine equipped with a cylindrical drum containing several thousand pounds of egg-shaped flint pebbles) with paint or varnish pigments and adds to them a prescribed amount of thinner; starts mill and when processed for a specified time, draws off the mixture into a receiving tank (see also grinder, paint).

Pigment Crusher (Pigment Grinder):—Crushes or grinds various pigments which, when mixed with a suitable medium or vehicle, form paint—loads mixer with pigments and other ingredients; starts mixer and observes flow of materials through the machine.

Polisher:—Colors metal powders and makes tests for weight and colors—pours bronze or copper powders into polishing machine and adds a wax preparation; starts machine and after a specified time empties the polished powder; colors powder by mixing it with dye or heating it, thus causing it to change color from oxidation; mixes colored powder with bronzing liquid and paints a celluloid panel to compare it with standard sample.

Press Man:—Presses linseed oil from ground flaxseed—grinds flaxseed to a fine powder by operating a grinding mill; empties ground seed into a tempering kettle; opens steam valve to admit moisture and to heat kettle; maintains prescribed temperature and humidity; guides powdered flaxseed into two camel-hair mats; places mats in hydraulic press; starts press forcing mats together and extracting oil from the seed. May pump lithopone liquid from screen to press (see also mill man, linseed oil).

Pulp Machine Operator:—Mixes pulp lead with a specified percentage of specially treated linseed oil until oil and lead combine and allow the clear water to rise to the top of the pulp machine—shovels pulp lead into machine and adds linseed oil according to specifications; starts machine to mix lead and oil; opens valves to drain off water and to admit lead and oil to the stone roller mills where the remaining water is eliminated (see also mixer, lead).

Pump Man (Pumper): — Operates pumps to convey liquids to various parts of the plan—connects container to pipeline leading from source of supply and actuates machinery to pump liquid.

Putty Maker (Putty Chaser):—Combines linseed oil, whiting, and other ingredients in a mixing machine to make putty—loads mixer hopper with specified amounts of whiting and linseed oil; starts mixer and observes operation, adding additional ingredients as required.

Red Lead Burner:—Fuses lead tailings and sugar lead into red lead by the operation of necessary furnaces and auxiliary equipment—ignites gas burners in furnaces and starts elevators, conveyors, and other equipment; loads conveyors with lead tailings and sugar lead whence they are carried through the furnaces into the storage bin; starts conveyor to carry dried lead from storage bin to the red lead furnace; starts red lead furnace pan revolving and resets furnace controls to raise temperature to prescribed degree; unloads furnace by causing conveyor to transport the hot powdered lead to the grinding machine.

Reducer (Varnish Base Reducer):—Adds thinning agents to thick base varnish (bulk pigment) and oil ingredients to produce a finished varnish or oil product to match a standard sample—adds to base varnish specified amounts of thinners, such as turpentine and naphtha; stirs mixture thoroughly with hand agitator; removes solids from mixture by means of a filtering machine; pumps filtered product to storage tank, or, if necessary, to clarifying machine (see also clarifier).

Refiner, Linseed Oil:—Refines raw linseed oil for sale as a product or for use in the manufacture of paints, lacquers, and white lead paste—pumps raw linseed oil from storage tank to refining tank and starts agitator paddles; adds a specified amount of sulphuric acid; allows mixture to blend for a specified time and then drains tar and other sediment from the bottom of the refining tank; sprays oil with hot water and draws off water from the tank; again sprays oil with hot water and allows it to set overnight; draws off water and neutralizes acid in the oil by adding whiting, powdered magnesia, and common salt; pumps oil into storage tank; heats storage tank with steam to completely neutralize acid.

Resin Bin Loader:—Maintains adequate supply of resin in bins to meet needs of kettle men and mixers, and grinds resin crusher and pulverizer—fills resin bins with bulk resin; starts crusher and pulverizer; hand-shovels ground resin into hoppers. May assist kettle man by loading kettle with materials, such as resin, linseed oil, and driers.

Roll Mill Operator (Roller Mill Operator):—Operates an electrically powered roller mill equipped with water-cooled steel rolls and a scraper which automatically removes the paint from the rolls.

Roof Cement Maker:—Makes roof cement by mixing certain basic ingredients, such as tar, asbestos fiber, and asphaltum, according to formula—opens valve to admit asphaltum to mixing machine; starts machine and adds tar and asbestos fiber to the asphaltum; draws off thoroughly blended mixture into cans.

Sample Clerk (Sample Stock Man, Paint Sample Clerk):—Files original paint samples, to be used in matching future paint orders, and keeps paint color card records and samples for reference when settling complaints or tracing faults in process; labels all new samples and files them on stockroom shelf for future use; issues samples upon requisition.

Setting Gang Laborer (Lead Setter, Pot Setter, Stack Builder):—Performs heavy manual work requiring little skill in the paint-corroding process and constructs stacks or "pot houses" to cover lead during decomposition stage—spreads tanbark over bottom of pot house with a hand fork; places earthenware in tanbark; fills bottom portion of pots with a diluted solution of acetic acid; fills pots with lead buckles; constructs platform over first tier; repeats operations until a specified number of racks have been prepared.

Shed Foreman:—Supervises work of, and assigns tasks to, unskilled workers who (1) prepare lead buckles in an open shed, (2) erect and dismantle pot houses or stacks, (3) unload raw materials from carriers.

Shredder (Schrother):—Operates metal-shredding machines to flake metal for ultimate use in polishing powders—feeds cut pieces of sheet copper or bronze scrap into shearing machine; shovels sheared metal into a drum cleaner for cleansing; stamps cleaned scraps into powder using stamping machine (see stamping machine operator); shovels ground powder into an automatic sifter, where it is separated into grades.

Spray Man:—Assists chemist by accomplishing the less technical phases of the work, such as spraying test panels to determine drying qualities of paint and varnish and spraying display boards for advertising purposes.

Sprayer (Container Painter, Drum Painter): — Spray-paints unpainted steel drums or other containers to provide a weatherproof exterior.

Stain Maker:—Mixes turpentine, benzin, and naphtha with linseed oil and coloring ingredients to obtain a stain which resembles natural cherry, mahogany, oak, or walnut—adds finely ground pigment to raw or boiled linseed oil to secure a strong colored stain; matches sample product with standard color; adds other ingredients according to formula; pumps finished stain into storage tanks.

Stamping Machine Operator (Fine Stamper):—Operates a stamping machine to produce powdered bronze or copper—hand-scoops flaked metal into machine; closes machine door and starts machine which stamps the flakes into a powder; removes powdered metal from machine and sifts it to separate the coarse particles.

Stripping and Drawing Laborer:—Performs heavy manual duties requiring little skill, such as dismantling stacks or pot houses, loading receptacles with tanbark for reuse, and sweeping up and salvaging spilled bits of lead (see also setting gang laborer).

Tank Room Foreman:—Supervises subordinates in maintaining an adequate production of varnish and shellac—estimates number of batches required to maintain specified supply for storage; instructs subordinates to make up necessary batches and supervises their activities.

Thinner (Thinner Tinter, Varnish Base Thinner):—Introduces linseed oil and turpentine to pasty or viscid paint or varnish mixture to liquify

them—fills mixing tank with specified quantity of viscid paint (or varnish); adds thinners and starts mixing tank agitators; draws off finished product into containers or pumps it to storage tank. May add tinting materials as required.

Thrasher (Washer Operator, Water Mill Operator):—Operates a thrasher or washer to break up lead buckles which have been incompletely corroded so that the uncorroded particles may be separated from the corroded (white lead) particles—starts machine which is equipped with beater arms submerged in water; follows progress of the white lead from the finishing cylinders through the crusher rollers and finally to the thrasher where it is broken up by the beater arms; makes frequent check of the operations to ascertain if the lead is being broken up to meet plant requirements.

Tinter (Color Matcher, Color Shader, Enamel Shader, Finish Mixer, Shader):—Blends basic color pigments to make standard samples in color, weight, viscosity—loads mixing kettle with ground paint and starts agitator paddles; adds thinner and paste paints according to formula blending the mixture until the batch attains the required shade; compares product with standard sample as to shade or tint and makes weight and viscosity tests to determine weight per gallon and speed of flow.

Trimmer:—Operates a trimming machine to trim the edges of linseed oil cakes where surplus oil is found—starts machine and manipulates linseed oil cake under the cutting knives; packs linseed oil cakes (which are used as cattle food) for shipping.

Varnish Inspector (Base Varnish Inspector, solids inspector):—Inspects sample lots of varnish for acids, color, clearness, cracks, crystallization, sediment, and drying qualities to ascertain if product conforms with plant specifications — visually compares product with standard varnish sample to determine color and drying qualities; makes viscosity test and weighs sample to ascertain weight per gallon.

Varnish Maker (Shellac Maker, Spirit Varnish Maker, Varnish Cooker, Varnish Melter):—Melts, cooks, and mixes according to formula the various ingredients, such as gums, oils, turpentine, and naphtha, used in the manufacture of varnishes, lacquers—melts gum in a kettle or gum pot and when liquefied adds a specific quantity of oil; cooks mixture according to specifications; adds quantities of thinners and driers and thoroughly blends the mixture with a power agitator; filters finished product through a filter machine.

Varnish Stock Man:—Operates various pumps to distribute varnishes and oils to various locations in the plant and cleans storage and other tanks with mineral spirits and a hand scraper.

Vinegar Man:—Mixes solutions of vinegar and water according to specifications to obtain the proper acid strength to corrode lead—pumps vinegar and water mixture from barrels to storage tank; fills pots in stack (see setting gang laborers) with vinegar solution.

Washer (Can Washer, Clarifier Machine Cleaner, cleaner, drum washer, kit cleaner, pot washer, tank washer):—Uses hand brush, cleaning rags, and solvents to remove paint adhering to machines, cans, drums or other containers — pours turpentine or naphtha into tank or container to be washed; scrubs interior with hand brush; empties tank or container and dries scrubbed surfaces with cleaning rags. May perform duties of filler.

Washtub Man: — Mixes lithopone liquid and water in a large tub by means of a mechanical agitator and drains the solution from the tub to a heater.

Weigher: — Weighs out specified amounts of various solid paint and varnish materials and shovels them into bins for use by the kettle men.

White Lead Maker: — Operates a mixing machine to mix linseed oil with the lump, or powdered, white lead coming from the ovens or drying pans—opens valve permitting material to flow from mixer to the hopper of the grinding mill; starts mill and regulates flow of white lead into mill; draws off ground lead for further processing. (Note:—Lead may be mixed with either oil or water.)

Colors and Pigments Production Off in 1939

Manufacturers of colors and pigments reported slight decreases in employment, wages and production for 1939 as compared with 1937, according to preliminary figures compiled from returns of the Census of Manufactures for 1939 by the Bureau of the Census, Department of Commerce. This industry, as constituted for census purposes, includes establishments primarily engaged in the manufacture of colors and pigments other than bone black, carbon black, and lampblack.

The wage earners primarily engaged in manufacturing in this industry in 1939 were 5,839, compared with 6,529 reported for 1937, and their wages, $8,114,349, were less than the 1937 figures, $8,437,434. The report follows:—

Production by Kind, Quantity, and Value:—1939 and 1937

(*Continued from November 25 issue, page 57*)

	1939.	1937.
Reduced toners:—		
Reduced chrome green, total production, pounds	4,762,969	7,588,791
Made and consumed in same establishments, pounds	314,535	805,071
Interplant transfers:—Pounds	278,467	770,549
Value	$27,847	$65,763
Made for sale:—Pounds	4,169,967	5,963,171
Value	$357,548	$542,632
All other reduced inorganic toners, total production, pounds	[4]	1,175,407
Made and consumed in same establishments, pounds	[4]	87,895
Interplant transfers:—Pounds	[4]	55,126
Value	[5]	$7,118
Made for sale:—Pounds	757,249	1,032,386
Value	$100,528	$135,760
All reduced organic reds, total production, pounds	964,693	1,178,047
Amount made and consumed in same establishment and for interplant transfer, pounds	164,297	329,561
Made and consumed in same establishments, pounds	[4]	101,110
Interplant transfers:—Pounds	[4]	228,551
Value	[5]	$41,347
Made for sale:—Pounds	800,396	848,386
Value	$217,724	$248,813
All other reduced organic toners, total production, pounds	932,940	[4]
Made and consumed in same establishments, pounds	221,849	[4]
Interplant transfers:—Pounds	130,614	
Value	$34,186	543,495
Made for sale:—Pounds	580,477	$229,574
Value	$344,800	
Coal-tar color lakes—		
Peacock blue, total production, pounds	1,443,030	1,626,740
Made and consumed in same establishments, pounds	25,948	84,956
Interplant transfers—Pounds	658,416	657,378
Value	$365,259	$363,603
Made for sale:—Pounds	758,666	884,411
Value	$448,078	$490,041
Persian orange, total production, pounds	447,365	596,198
Made and consumed in same establishments, pounds	77,804	189,144
Interplant transfers:—Pounds	146,900	
Value	$55,660	407,054
Made for sale—Pounds	222,661	$158,611
Value	$86,983	
Alizarine, total production, pounds	153,052	90,425
Made and consumed in same establishments, pounds	23,008	8,449
Interplant transfers:—Pounds	33,609	
Value	$37,695	81,976
Made for sale:—Pounds	95,745	$105,962
Value	$107,615	
Azo Bordeaux, total production, pounds	399,873	367,346
Amount made and consumed in same establishment and for interplant transfer, pounds	84,408	367,346
Made and consumed in same establishments, pounds	[4]	29,955
Interplant transfers:—Pounds	[4]	
Value	[5]	344,391
Made for sale:—Pounds	315,465	$112,617
Value	$94,087	
All other, total production, pounds[7]	4,311,057	4,275,226
Made and consumed in same establishments, pounds	159,069	167,043
Made for sale and interplant transfer:—Pounds	4,151,988	4,108,183
Value	$1,639,365	$1,826,978
Value of interplant transfers, quantities not shown separately	$802,085	.....
White lead (basic carbonate and sulphate), made for sale and interplant transfer—		
Pounds	119,571,570	144,318,029
Value	$7,115,870	$9,450,759
Lead oxides, total value	$15,918,767	$18,654,145
Litharge, total production, pounds	196,794,844	209,844,703
Made and consumed in same establishments, pounds	32,340,072	44,216,684
Made for sale and for interplant transfer:—Pounds	164,454,772	165,628,019
Value	$9,230,858	$12,102,184
Red lead, minium, and other lead oxides, made for sale and for interplant transfer:—Pounds	104,881,475	90,223,322
Value	$6,687,914	$6,751,961
Zinc oxide (Chinese white, zinc white), made for sale and for interplant transfer:—Pounds	301,895,235	321,889,816
Value	$14,431,992	$15,316,173
Blanc fixe (barium sulphate, precipitated), made for sale and for interplant transfer:—Pounds	12,282,711	10,396,178
Value	$322,435	$278,186
Lithopone, total production, pounds	313,568,246	366,018,427
Made and consumed in same establishments, pounds	30,364,024	40,918,543
Made for sale and for interplant transfer:—Pounds	283,204,222	325,099,884
Value	$11,973,519	$13,760,312
Barytes (natural), made for sale and for interplant transfer—		
Pounds	278,434,200	[8]
Value	$2,362,852	
Iron oxides, natural and synthetic, made for sale and for interplant transfer:—Pounds	101,949,630	128,891,324
Value	$3,275,941	$4,067,840
Titanium dioxide, made for sale and for interplant transfer:—Pounds	161,708,130	[8]
Value	$17,422,336	
Other oxides, made for sale and for interplant transfer—		
Pounds	208,614,895	328,138,379
Value	$8,942,792	$22,458,369
Other mineral colors (including zinc sulphide), made for sale and for interplant transfer:—Pounds	31,207,511	152,105,207
Value	$1,644,902	$6,688,338
Other fine color pigments (including vermilion and ultramarine), made for sale and for interplant transfer—		
Pounds	16,285,783	12,397,763
Value	$4,096,431	$2,689,443
Whiting, total production pounds	121,411,553	147,313,121
Made and consumed in same establishments, pounds	21,695,120	23,318,491
Made for sale and for interplant transfer:—Pounds	110,716,433	123,994,630
Value	$764,941	$966,736

[1] Includes in order of value, white lead in oil, red lead in oil, colors in oil, etc.
[2] Revised; in addition, establishments classified in the wall paper industry reported 1,081,342 pounds of dry color as made and consumed and 10,997 pounds valued at $17,883 made for sale.
[3] Revised.
[4] Withheld to avoid disclosing data reported by individual establishments.
[5] Withheld to avoid disclosing data reported by individual establishments; included in "value of interplant transfers, quantities not shown separately."
[6] Includes methyl violet.
[7] Includes scarlet 2r, pigment scarlet, and lithol rubine.
[8] Included in other mineral colors.
[9] Data not available.

'Aroclors' Described In New Technical Booklet

A general description and review of physical properties of the "Aroclors" is presented in a new booklet issued by the Monsanto Chemical Company. Manufactured exclusively by Monsanto, the "Aroclors" have found application in flame-retarding compositions, as plasticizers, as thermostatic control mediums, softeners, solvents, and in lubricants, adhesives, organic pigments, and lacquers. It is pointed out that additional uses of the versatile compounds may be suggested by the new booklet. A copy of "The Aroclors" may be obtained by addressing the Monsanto Chemical Company, St. Louis, Mo., mentioning the REPORTER.

Organic Chemicals Reference Book Issued

A comprehensive reference book, "Synthetic Organic Chemicals," containing data on the properties and uses of 142 industrial organic chemicals, has just been published by the Carbide & Carbon Chemicals Corporation, this city. This 96-page book is a completely revised and enlarged tenth edition. It includes six new chapters and contains information on sixty-six products not described in any previous editions. Most of the contents of this new book are not obtainable from any other source and many of the chemicals were not previously known to industry.

Each synthetic organic chemical is classified and described in accordance with the characteristic group to which it belongs. The chemicals thus dealt with include practically every major family of organic chemicals:—Alcohols, glycols, ethers, oxides, alcohol-ethers, esters, ketones, aldehydes, acids, anhydrides, chlorinated compounds, amines, penetrants, "Carbowax" compounds, synthetic resins, activated carbons, and hydrocarbon gases.

An index of the industrial applications of the 142 synthetic organic chemicals is particularly useful in locating references to one's own industry. More than 45 tables have been compiled containing such useful information as resin solubilities and arrangements of the chemicals in the order of their physical properties such as boiling point, specific gravity, viscosity, etc.—greatly simplifying the task of finding a compound with the desired combination of properties. Tabulations containing shipping information and specifications make the book as helpful to a purchasing agent as it is to a chemist.

An interesting feature is the blue and gray cover of this new edition which is made durable and attractive by a protective coating of "Vinylite" resin. Copies of the book can be obtained without cost from Carbide & Carbon Chemicals Corporation, Unit of Union Carbide and Carbon Corporation, 30 East Forty-second Street, New York, by mentioning the REPORTER.

Refrigeration Engineers Elect L.L. Lewis

L. Logan Lewis, vice-president in charge of engineering of the Carrier Corporation, Syracuse, was elected president of the American Society of Refrigerating Engineers, at the annual meeting in the Hotel Commodore, this city, December 5.

Elected as vice-presidents were:—William R. Hainsworth, of Servel, Inc., Evansville, Ind.; Charles R. Logan, Superior Valve & Fitting Company, Philadelphia, and treasurer, John S. Stone, of the Johns-Manville Company.

Explosives Chemists Wanted by U.S.

Civil service examinations are open for various grades of explosives chemist, with salaries ranging from $2,600 to $5,600 a year, subject to a 3½ percent retirement deduction. The United States Civil Service Commission has announced that applications for these positions will be rated as received at its Washington office until November 30, 1941.

Applicants will not be required to take a written test, but will be rated on their qualifications as shown in their applications and on corroborative evidence. They must have completed four years of college study, with major study in chemistry or chemical engineering. Professional experience in chemistry, partly in the field of explosives chemistry, is required. Graduate study in chemistry or chemical engineering may be substituted for a part of the general experience, and college teaching will be considered acceptable experience, when accompanied by a substantial amount of scientific research.

Further information regarding the examination, and the proper application forms, may be obtained from the secretary, Board of U. S. Civil Service Examiners at any first or second-class post office, or from the U. S. Civil Service Commission, Washington, D. C.

N.A.I.D.M. Told Soaps Are Not Germicidal

—Continued from page 5

description do not occur in fats and oils used in soap making. As expected, therefore, the antibacterial properties displayed by the commercial soap products tested, were not such as to entitle this kind of soap to any one of the following designations: — "disinfectant," "antiseptic" or "germicidal". Thus the question posited in the title of this presentation must be answered in the negative.

Attention was called to the comparatively unusual efficacy of rosin soap with respect to *Staphylococci* and hemolytic *Streptococci*, and to the possibility of formulation with the aid of rosin of soaps with enhanced antibacterial properties, which is, however, subject to further study.

Officers Re-Elected

The following officers were re-elected:—

President, W. J. Zick, of Stanco, Inc., this city; first vice-president, John N. Curlett, of McCormick & Co., Baltimore; second vice-president, Henry A. Nelson, of the Chemical Supply Company, Cleveland; treasurer, John Powell, of John Powell & Co., Inc., this city; and secretary, Ira P. MacNair, of the MacNair-Dorland Company, this city.

Elected to the board of governors were:—

R. O. Cowin, of the Standard Oil Company of Ohio, Cleveland; W. B. Eddy, of Rochester Germicide Company, Rochester, N. Y.; and Preston B. Heller, of B. Heller & Co., Chicago.

Among the resolutions adopted at the meeting were:—

Be It Resolved, That household insecticides, disinfectants, and other products used for the maintenance of sanitation in and about the dwelling be divorced strictly from products of an agricultural nature in the formulation of the provisions of various State and other local legislation affecting insecticides and fungicides.

That the association is strongly opposed to all State, local and other fees required for the registration and licensing of products for sale within any State or municipality, and that the membership oppose to the best of its ability the introduction or adoption of any and all such registration fees which it considers excessive and accordingly a hardship on manufacturers doing a national business.

That we emphasize the resolution adopted at the mid-year meeting of 1940 to assist the defense program as an essential industry.

That a committee be appointed to study the feasibility of acting on a method to record the volume of sales of insecticides and disinfectants in the United States.

That due to the unfortunate happenings in Pennsylvania recently, that the convention has reaffirmed the resolution adopted at the December meeting, 1939, at Washington, that only soda fluoride of a nile blue color be used, and that such product shall be considered the standard soda fluoride of this association.

Market Statistics

Asking that satisfactory statistics be supplied by the government, with the idea of gauging accurately what the total market by types is for insecticides and disinfectants, W. J. Zick, of Stanco, Inc., titled his annual address, "What About Our Market?" Mr. Zick, in part said:—

During the many years that it has been my privilege to be connected with the activities of this Association, I have been greatly impressed by the progress that has been made by the scientific section. Under very able guidance, both the insecticide and disinfectant scientific sections have done some very valuable work. They have developed methods of testing and in collaboration with the National Bureau of Standards have established standards of quality.

All of this scientific work has raised the average of the quality of the products offered to the consuming public very appreciably. Some practically worthless products which were on the market several years ago, have disappeared. In the sanitary supply section much work has been done on measuring the slipperiness of floor waxes and I am certain that real progress will result from this research program when completed.

Because of all this research activity the consuming public is on the average getting more for its dollar than ever before which is as it should be. However, in all the years during which this scientific progress has been made by our association, what progress has been made in the marketing of these superior products resulting from all this research? The selling of our products is conducted about the same today as it was a generation ago. There are many projects in connection with marketing which could be worked on by the Association and which would in no way conflict with or be in violation of any law now in effect.

Here are some suggestions of information that might be helpful. What is the need for the products manufactured by members of this association? Is that need the same in Maine and California, in Washington and Florida? What household insects are prevalent in various parts of the country? What causes insects to be worse pests some years than others?

I have heard some general explanations but none backed up by real facts. Are insecticide sales influenced more by the habits of people or by insect prevalence? Why do people buy our products? Is it because of an existing need for them or is it because of advertising? What income group is the largest user of insecticides and disinfectants? In which income group is the greatest need for insecticides and disinfectants?

In the automobile industry, figures on car purchases and truck purchases are available. In the petroleum industry, gasoline volumes are obtainable. We know the amount ot wheat, corn and cotton grown annually on our farms. The amount of alcohol produced annually by our distillers is public information.

However, there is not a manufacturer here who knows accurately what the total market by types is for insecticides and disinfectants. As manufacturers, we go out and try to get all of the business possible which is as it should be, but no one knows the total market or his share of it. The government at present gets out some figures, but they are neither revealing nor enlightening. I believe that accurate market data on present day production and consumption of insecticides and disinfectants would be very helpful to every manufacturer in the industry in planning how most efficiently to operate his business. If the members of this association want such market data, I believe that it can be obtained either by working with the Department of Commerce, the members of which have always been most cooperative, or through some outside agency.

We have heard much in the last few years about the high costs of distribution. If the members of this association want to do something about these high costs of distribution in their individual business, it would appear that the place to start is with a knowledge of how big a market we are talking about. We all have made guesses as to the size of the market but nobody knows.

This association stands in the front rank of trade associations that have done and are doing outstanding scientific research and I want to compliment our scientific men for the fine constructive job that has been done. A similarly constructive job could be done in the field of distribution and the first step might be a study of the size and character of the market. What is your bidding in the matter of insecticide and disinfectant marketing?

Raw Materials Supplies

C. C. Concannon, chief of the chemical division of the Department of Commerce, in discussing supplies of raw materials from abroad, said:—

Pyrethrum Shipments

The outstanding feature of the United States pyrethrum import trade of 1940 was the predominance of imports from Kenya. Heretofore, Japan has been the major supplier but during the first ten months of 1940 Kenya accounted for 80 percent of the 11,000,000 pounds entered. Substantially all of the remainder came from Japan.

One of the reasons for the decreased importations from Japan is the rise in home consumption both for military purposes and in the household. In recent years smudge sticks or coils made from pyrethrum are extensively used in the homes of the poorer classes. The acreage devoted to pyrethrum has apparently declined because of the tendency to convert pyrethrum fields to rice fields.

Yugoslavia, a former important source, contributed only one percent, while minor supplies were received from Brazil, Belgian Congo and Peru. Efforts to increase pyrethrum cultivation continue throughout the world, but in the United States, the only commercial plantings are on a modest scale in Pennsylvania and California.

Rotenone Imports

A record was established during 1939 in imports of rotenone-bearing roots. We shall witness a further gain for 1940, in fact, preliminary data for 10 months disclose receipts in excess of those reported for the full year 1939. In the intercommodity competition between Asiatic derris and South American cube and timbo, derris imports had the highest valuation, however, the physical volume constituted approximately 2,700,000 pounds for each group.

Derris receipts for the first ten months of 1940 originated in five countries led by British Malaya with 1,700,000 pounds, Netherlands Indies 800,000, French Indochina and the Philippine Islands each somewhat over 100,000 pounds. Of the South American rotenone-bearing roots, Peru became the chief supplier in 1939 when the imports exceeded those originating in Brazil. The 1940 receipts from Peru approximated 1,800,000 pounds. Brazil supplied 300,000 pounds of unground root and 600,000 pounds of ground, the latter being subject to import duty.

For several years the State of Para has prohibited exports of timbo except in a ground form, the objective being to eliminate the possibility of releasing stock for propagation. A recent report indicates that henceforth all timbo root exported from Brazil must be in the form of powder or an extract thereof. If this is correct shipments of unground material from Manacs in the State of Amazonas will cease. The sole other supplier was Venezuela which contributed 75,000 pounds.

Red Squill Importance

Before ending the discussion on botanicals used in pest control, mention should be made of red squill, an item that never assumed much importance from a dollar standpoint in our import trade, but which is considered by many as the ideal base for the preparation of rodenticides. The closing of the Mediterranean sea to normal commerce has made it difficult to place forward import commitments for supplies of red squill. This situation has resulted in increased cost for spot supplies, although the situation is said to be not critical at the moment. If the war should continue it may become necessary for some firms engaged in the manufacture of rodenticides to resort to use of chemical poisons in place of red squill.

Fats and Oils

The present European war has caused a number of major changes in the supply, in international trade, and in the use of fats and oils. These changes have not been confined to the warring nations alone, but have been felt even in those countries which have been at peace with the world. And the United States has been no exception. Because the British blockade has closed the principal European markets for tropical cocoanut and palm oils the pressure of supplies has depressed prices in primary producing countries to unremunerative levels. On the other hand, the Mediterranean situation has resulted in higher prices for olive oil.

Despite the war in China, tung oil is selling today at substantially the same price, as a year ago and our 1940 imports of 95,000,000 pounds in a ten-month period exceed those of corresponding months of 1939. Tung oil is today the chief item, from a dollar standpoint, in our entire import trade in chemicals and related materials.

While supplies of Asiatic perilla oil tend to decrease, it is gratifying to report that Brazilian oiticica is available in larger supply. Although our increasing domestic flax seed crop is still inadequate to supply the needs of the paint industry for linseed oil, flax seed quotations today are under those of a year ago.

Potash Supplies

The American producers of primary potash are doing a splendid job of satisfying the needs of the farmers and industry, notwithstanding the fact that imports from Europe are now limited to relatively small quantities from Spain.

However, the close balance between estimated consumption and supply will be upset if exports of high-grade muriate should continue at the levels established in the last four months, when shipments described as "potash fertilizer materials" reached 65,786 short tons, eleven times those of the first half of 1940.

The availability of domestic high-grade muriate has been the base of our constantly expanding potash chemical industry, potassium cyanide being one of the new items added in 1940 to the range of domestic potash salts. The domestic production for sale of caustic potash in 1939 of 14,000 short tons with a value at the factory of $1,800,000, was three times the 1931 accomplishment when our consumption was met one-half by domestic producers and one-half by foreign producers. At present our imports are insignificant. About one-third of the potassium hydroxide sold in this country enters into the manufacture of potash soaps.

Potash carbonate of domestic origin is also in abundant supply. In the field of soda alkalis United States has been on an export basis since the World War.

In normal times the United States consumes from 60-70 percent of the exports of carnauba wax from Brazil, the sole source of supply. Production averages between 11,000 and 12,000 short tons annually and exports in 1939, an all time record, were 8,200 tons. Our receipts for the first 10 months of 1940 totaled 6,900 tons. Although these figures would tend to indicate no shortage, nevertheless, the price today is approximately 50 percent over that of a year ago. Higher freight and insurance rates are factors in the increased prices.

Defense Needs

Lieutenant Alden E. Stilson discussed "The Effects of the Defense Program on Sanitary Supplies and Insecticides." He characterized as the current enemy of the army the following:—

Bacteria contaminating the water supply; latrines and showers; food-stuffs; kitchen and mess utensils and equipment; tents and barracks; and the civilian area generally surrounding the point of concentration.

Bed-bugs inhabiting the woods and area before the men came; wood-ticks; cockroaches; flies and fly larvae; filter flies from the sewage treatment plant; mosquitoes and their larvae beetles and crickets; gnats; punkies; lice; animal flies and fleas; spiders and ants.

Field mice, black, brown and gray rats; squirrels, gophers; dogs; cats; etc.

Early this year the association had a much larger quantity of Official Test Insecticide manufactured at one time than ever before, Ira P. MacNair, of the MacNair-Dorland Company, this city, stated in his report as secretary of the association. This, Mr. MacNair said, was done with a view to having sufficient supply to carry the association through the Official Tests Insecticide year. He said that approximately 90 dozens of the O.T.I. are still on hand, and inasmuch as the 1940 O.T.I. will remain official until June 1, 1914, Mr. MacNair added that a further quantity will have to be manufactured. He mentioned that the O.T.I. is also utilized by numerous foreign countries as a standard for household insecticides.

Walsh-Healey Wage Rate

Mr. MacNair reviewed the activities of labeling, and held to the belief that the Department of Agriculture would continue to be reasonable in its enforcement with firms showing an attitude of cooperation.

Discussing the wage rate under the Walsh-Healey act, Mr. MacNair said that no action had been taken as yet on the petition of the association to the Department of Labor that the industry be allowed a wage scale of 40c. per hour, which rate is the same as paid by the soap industry, but higher than that paid by the manufacturing drug industry.

Legislative Trend

Mr. MacNair warned that the association cannot hope to stall off indefinitely numerous State laws designed to control the manufacture and sale of insecticides and disinfectants. He said that this type of legislation was bound to materialize, adding that the interest of the association lies in attempting to guide its formulation rather than blindly opposing it.

C. L. Fardwell, of McCormick & Co., Baltimore, as chairman of the legislative committee of the association, discussed the various legislative action taken in Congress and in various State legislature. He reviewed the activities in California, Kentucky, Illinois, Louisiana, Mississippi, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, and South Carolina.

Interstate trade barriers were considered by Mr. Fardwell, who said that the most striking illustration of a typical trade barrier is the Florida license fee of $125, with an additional $2.50 registration fee for each brand. He said that Louisiana recently reduced its registration fee under the food and drugs act from $100 to $50, at the request of the Association of Commerce, showed what could be done with concerted effort. He urged members to throw their influence in their respective States in opposing the trend of the erection of trade barriers.

In discussing State insecticide and fungicide bills, Mr. Fradwell said that it was the intention of the committee to offer form amendments to such State bills, exempting household products of the membership who are manufacturers, and similar amendments exempting all insecticides and disinfectants from pharmacy bills.

H. C. Fuller, talking on "Association Problems in Washington and Elsewhere," said that North Dakota has an insecticide law similar to the Federal act, and in addition, a so-called live stock medicine act, which includes in its scope of application certain types of insecticides and disinfectants. Under the latter there are provisions which require a quantitative disclose of the active and inert ingredients, so that in the final analysis it is practically necessary to declare on the label the percentage amount of all components.

In attempting to work out labels

—Continued on page 52

Dyestuffs, Textile and Leather Chemicals

Tanners Corn Sugar, Dextrin and Starch Prices Advanced —Fustic, Hypernic and Logwood Prices to Remain Firm —Chestnut, Oak and Hemlock Bark Extracts Extended

Movements of dyestuffs, textile and leather chemicals failed to broaden last week. Consumers were cautious in making replacements, and sellers expected a conservative buying policy during the next few weeks as time for year end inventory approached. Many consumers had fair sized stocks on hand as a result of heavier purchases earlier in view of rising costs. Price movements centered around corn derivatives where moderate advances occurred.

Prices will be extended into the early part of next year in a number of natural dyestuffs and tanning extracts. Fustic, hypernic and logwood were renewed, while Chestnut bark, gambier extract, hemlock bark, hematine, osage orange, and quercitron prices will remain firm for the first quarter of 1941. No contracts were taken for stainless sumac extract because of the inability to obtain raw material replacements.

Bichromate producers will have less difficulty obtaining licenses for exports as a result of a working arrangement agreed upon by the Administrator of Export Control. Under the arrangements imports of Chrome ore will be earmarked. A record will be kept of the ore and its disposition, and a formula has been agreed upon for determining the ratio between ore imports and chemical exports based on the average yield of the ore.

Chemicals

Alumina Acetate.—Moderate demand. Prices remain the same.

Alumina Chloride.—Prices unchanged and firm. Good inquiry, and shipments moderately active.

Ammonia Acetate.—Buying continued routine. No change in the prices.

Ammonia Bichromate.—Transactions conservative, and prices held firm.

Antimony Salts.—Demand narrow. Prices without change.

Chrome Acetate.—No change in the quotations, with fair interest displayed.

Potash Bichromate.—Shipments are moderately active. Prices rule firm.

Potash Prussiate.—No new price developments, while commitments were routine.

Soda Bichromate.—Buying held at satisfactory levels against contracts. Good export inquiry. Prices unchanged and firm. October exports 1,719,412 pounds, valued at $130,488.

Soda Prussiate.—Moderate demand. Prices held steady to firm.

Sulphonated Oils.—Firm price tone prevailed, while purchases were fairly steady.

Zinc Dust.—Prices rule firm. Shipments irregular.

Dyestuffs

Annatto.—Trading narrow. Prices remain unchanged. October imports 121,685 pounds, valued at $3,391.

Cochineal.—Routine interest. Prices held firm.

Fustic.—Prices carried into early part of next year at current levels. Business fair.

Hypernic.—Current prices extended into early part of 1941. Moderate interest.

Indigo.—Prices unchanged, and position of market firm. Inquiries light.

Logwood.—Prices remain firm for first quarter of next year. Routine dealings. Imports of extract during October 6,347 pounds, valued at $1,630, all of which came from Jamiaca.

Madder Dutch.—Business was dull. Prices lacked any alteration.

Turmeric.—Steady to firm price tone. Business spotty. October imports 133,580 pounds, valued at $5,289.

Sizing Materials

Albuman, Blood.—Demand steady. Prices unchanged and firm.

Albumen, Egg.—Domestic and imported prices firm. Good inquiry, with shipments steady.

Price Changes

Advanced

Corn, dextrin, 5c. per 100 lbs.
starch, 5c. per 100 lbs.
sugar, tanners, 5c. per 100 lbs.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.8	153.7	151.2	149.4

Market news that may have developed after this report was sent to press will be found on page 4.

Corn Sugar.—Various grades of tanners raised 5c. per 100 pounds. Bookings moderately active.

Dextrin, Corn.—Prices advanced 5c. per 100 pounds. Shipments steady.

Egg Yolk.—Market fully retained its firmness, while prices held the same. Good interest displayed.

Sago Flour.—Shipments steady. Prices without change.

Starch, Corn.—Quotations for all grades lifted 5c. per 100 pounds. Demand moderate. Visible supplies of corn increased 1,331,000 bushels in week ended November 30.

Starch, Potato.—Prices underwent no revision, and tone about steady. Buying fairly steady.

Starch, Rice.—Steady to firm price tone, withdrawals irregular.

Starch, Sweetpotato.—Moderate inquiry. Prices failed to change.

Tapioca Flour.—Market position firm, and prices well sustained. Steady demand.

Tanning Materials

Chestnut Bark.—Current prices carried into early part of next year. Shipments steady.

Gambier.—Dealings narrow. Nothing new occurred in the prices.

Hematine.—Prices carried into next year at same levels. Fair demand.

Hemlock Bark.—Prices will remain firm for first quarter of 1941. Buying moderately active.

Myrobalans.—Moderate interest. No change disclosed in the prices.

Oakbark.—Quotations renewed for early part of next year. Shipments steady.

Osage Orange.—Current prices extended into next year. Fair demand.

Querbracho.—Market firm. Shipments moved at satisfactory pace.

Quercitron.—Prices remain firm into next year. Buying spotty.

Spruce.—No change in the prices, with tone of market firm. Better inquiry and shipments steady.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Inorganic Chemicals Data Issued by Census Bureau

The Bureau of Census has issued the second part of the 1939 report on miscellaneous inorganic chemicals, part one appeared in the REPORTER November 11 issue. This report covers the production of oxalates; calcium carbide; sulphur dioxide; soda silicate; iodine, resublimed; mercury, ammoniated and redistilled; peroxides; tartrates; nitrates, except soda; sulphates; stearates, and other inorganic chemicals. The table below gives production figures for the last two biennial censuses. All figures for 1939 are preliminary and subject to revision.

Production by Kind, Quantity, and Value:—1939 and 1937

	1939.	1937.
Miscellaneous inorganic chemicals, total value	$61,651,440	$65,176,830
Oxalates, total value	$261,378	$254,439
Iron:—Establishments	3	
Pounds	13,683	$254,439
Value	$10,172	
Other, value	[1]$251,206	
Bismuth subgallate:—Establishments	6	6
Pounds	43,347	40,861
Value	$62,285	$55,270
Calcium carbide:—Establishments	7	6
Tons	167,592	192,670
Value	$8,494,613	$9,842,378
Sulphur dioxide[2]:—Establishments	6	6
Pounds	26,861,151	28,717,125
Value	$1,291,393	$1,477,146
Soda antimonate:—Establishments	3	4
Pounds	4,748,697	4,347,866
Value	$612,975	$554,047
Linoleates, value	$152,834	$159,143
Salicylates, total value	$379,199	$565,690
Sodium:—Establishments	4	
Pounds	497,423	$565,690
Value	$195,180	
Other, value	[3]$384,019	
Soda silicate:—Liquid:—Establishments	23	25
Tons (basis 40°)	655,379	600,979
Value	$7,298,463	$6,786,715
Solid:—Establishments	14	13
Tons	46,012	40,473
Value	$1,799,082	$1,568,134
Iodine, resublimed:—Establishments	8	8
Pounds	404,344	369,270
Value	$457,199	$399,088
Mercury, ammoniated:—Establishments	5	5
Pounds	54,277	57,230
Value	$98,586	$100,789
Mercury, redistilled:—Establishments	6	6
Pounds	270,713	162,196
Value	$376,467	$221,801
Peroxides, total value	$4,387,041	$4,789,902
Hydrogen:—Establishments	7	7
Pounds (basis 100 volumes)	21,487,068	22,924,978
Value	$3,450,217	$3,781,229
Other peroxides, value	[4]$936,824	$1,008,673
Tartrates, total value	$1,413,337	$1,302,411
Potassium, bi- (cream of tartar):—Establishments	4	4
Pounds	3,815,317	5,080,455
Value	[5]$618,302	$418,765
Other tartrates, value	$795,035	$883,646
Nitrates, except sodium, total value[6]	$8,928,280	[7]$8,835,389
Bismuth, sub:—Establishments	6	6
Pounds	365,522	262,867
Value	$487,502	$309,678
Ammonium:—Establishments	15	10
Pounds	51,935,228	45,560,194
Value	$1,341,317	$1,130,764
Iron:—Establishments	8	
Pounds	1,020,800	[7]$7,394,947
Value	$33,583	
Other, except sodium, value	[8]$7,065,878	
Sulphates, total value	$22,888,963	[8]$25,079,256
Aluminum (concentrated alum):—Establishments	30	22
Tons	416,108	393,411
Value	$8,455,376	$8,958,601
Aluminum-Ammonium (Ammonia Alum):—Establishments	7	8
Tons	5,065	5,390
Value	$268,344	$278,037
Potash and chrome alums:—Establishments	6	6
Tons	2,683	3,227
Value	$168,802	$203,960
Magnesium (Epsom salt):—Establishments	4	4
Tons	47,689	41,369
Value	$1,409,398	$1,216,748
Manganese:—Establishments	5	5
Pounds (100% basis)	11,575,620	12,518,676
Value	$308,604	$321,781

—Continued on page 54

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Cyclohexanol 98-100%
Methyl Cyclohexanol 98-100%
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Coaltar Chemicals

Coaltar Color Prices Remain Firm for First Quarter 1941—Steel Output Near Peak with Capacity to Be Expanded—Toluol Supplies Adequate—Phenol Demand Steady

Contract prices for various coaltar colors were carried into the first quarter of 1941 to provide the outstanding developments in the market for coaltar chemicals last week. With the exception of some intermediates prices for various products have been released for next year. Sellers were engaged in writing forward business in all basic materials. Shipments moved at a steady pace, with most consuming industries operating at satisfactory levels.

Steel operations continued at virtually capacity levels, and was the highest in history based on tonnage. Operations have been in excess of 90 percent for more than three months. One large steel producer announced intentions to expand steel production capacity to meet the National Defense needs. This will include an increase in coke capacity, with an accompanying advance in the production of toluol and other products. Other steel companies have planned extensions of more than 1,000,000 net tons annually.

Present output of toluol was sufficient to meet all normal needs, and inquiries for export where licenses would be granted. Benzol position continued heavy, but demand was holding up comparatively well. Xylol position was regarded as satisfactory, with stocks not a burdensome factor.

Phenol displayed no further price weakness, and shipments moved steadily to various major consuming channels. The easier tone in imported cresylic acid found no reflection in the various grades of domestic acids. Naphthalene retained its firmness. A fair amount of replacement buying was evident for creosote oil. Business in coaltar acids, intermediates and colors held steady.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	127.1	126.8

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Sellers writing contracts at firm levels announced preceding period. Shipments moderately active.

Carbazole.—Market firm. Business routine.

Coaltar.—Withdrawals of crude and refined moderate against contracts. Quotations rule firm.

Creosote Oil.—Replacement buying remained satisfactory and market position was steady to firm. October imports 70,255 gallons, valued at $7,458, of which 68,063 gallons came from Canada.

Cresols.—Prices steady to firm. Shipments moved at a steady pace.

Cresylic Acid.—Domestic prices held the same and shipments moved satisfactorily. Quotations for imported displayed an easier tone. October imports 13,464 gallons, valued at $6,353, all of which came from the United Kingdom.

Naphthalene.—Transactions routine. Pricewise a firm tone prevailed. October imports 331,300 pounds, valued at $8,803, of which 330,300 pounds came from Russia.

Oil, Shingle Stain.—Not much feature to the dealings. Prices held the same.

Phenol.—The call was steady and prices were well maintained at recently established levels.

Pitch, Coaltar.—Market routine. Prices without alteration. October imports 188,356 gallons, valued at $12,325, of which 169,836 gallons came from Canada.

Pyridin.—Buying moderate. Nothing new occurred in the quotations.

Solvent Naphtha.—Consumers made fair size replacements and prices held steady to firm.

Tar Acid Oils.—Demand only fair. Nothing new occurred in the prices.

Toluol.—Shipments steady. Prices held at previous levels, with the tone steady to firm.

Xylol.—Moderate demand. Quotations unchanged and firm.

Chicago Coaltar Bases

Coaltar bases market is fairly active and tone in most products remains rather healthy. Buying of benzol has attained moderately good proportions lately, although natural conservatism in buying policy at this time of year is evident. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 9c. to 9¼c., nearby refineries; toluol, 27c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexanol.—Inquiry satisfactory and shipments moderate. Prices firm.

Cyclohexanone.—Fair interest and prices remain the same.

Methylcyclohexanol. — Prices rule firm and dealings were routine.

Coaltar Acids

Anthranilic. — Buying moderate. Prices lacked any change.

Benzoic. — Commitments routine. Prices well maintained.

Broenner's.—Usual consumers made fair size replacements as a rule.

Cleve's.—Steady interest from regular consuming channels.

Fumaric.—Inquiries and shipments satisfactory. Prices rule firm.

Gamma.—The call was irregular and prices held the same.

H.—Market strictly a routine affair. Prices without change.

Laurent's.—Withdrawals moderate. Prices steady to firm.

Maleic.—Shipments steady and tone of market firm.

Malic.—Moderate demand. Quotations without change.

Picramic.—Market firm and business steady.

Picric.—Firmness characterized the trading and shipments were well sustained.

Salicylic.—Technical in moderate demand. Prices failed to change.

Succinic.—Trading did not broaden, but the tone was one of firmness.

Sulphanilic.—Prices unchanged and firm. Business moderate.

Tobias.—Withdrawals routine. Nothing new developed in the quotations.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Other Intermediates

Alphanaphthol.—Steady call. Prices held firm.

Alphanaphthylamine.—Usual consumers provided moderate demand. Prices well maintained.

Anilin.—Business moderately active. Pricewise a firm tone prevailed.

Anthraquinone.—Withdrawals steady. Quotations without change.

Benzaldehyde.—Inquiry and shipments held at satisfactory levels.

Benzidin Base.—Firm price tone, with dealings routine.

Betanaphthol.—Commitments moderate and prices well sustained.

Betanaphthylamine. — Usual consumers made steady withdrawals. Prices without alteration.

Diethylanilin.—Business irregular. Pricewise a steady to firm tone prevailed.

Dimethylanilin.—Shipments steady. Prices unchanged and firm.

Dinitrobenzene.—Demand moderately active. Prices well sustained.

Dinitrochlorobenzene. — Steady to firm price tone, with business steady.

Dinitronaphthalene.—Market lacked any price change and dealings steady.

Dinitrophenol.—Market a routine affair. Prices unaltered.

Dinitrotoluene.—Market firm. Withdrawals continued steady.

Diphenyl.—No broadening in the demand, while prices were firm.

G. Salt.—Transactions routine. Pricewise a firm tone prevailed.

Metanitroparatoluidin.—Small lots made up the call. Prices firm.

Nitrobenzene.—Steady to firm price tone, while business remained steady.

Nitronaphthalene. — Prices unchanged and firm. Business routine.

Orthoanisidin.—Fair demand. Nothing new occurred in the prices.

Orthochloroanilin.—No new price developments. Demand moderate.

Orthochlorophenol.—Trading held at moderate levels and prices ruled unchanged.

Orthocresol.—Withdrawals moder-

—Continued on page 34

Bartlett & Snow Names Hofmann to New Post

C. O. Bartlett & Snow Company, Cleveland, has appointed M. P. Hofmann manager of research and sales of its new colloid mill department, Mr. Hofmann developed several special alloys of zirconium during the last World War that were used by the Chemical Warfare Service in gas masks; and following the cessation of hostilities spent considerable time in colloidal research. He is said to have been largely responsible for the design and development of the United States colloid mill in 1926, and for ten years following was in charge of research and sales for Bartlett & Snow.

M. P. Hofmann

Mr. Hofmann gained considerable recognition in 1936 as the developer of the Manton-Gaulin two-stage mill, and lately, working in the Bartlet-Snow laboratory, has developed and perfected a new mill, using a three-stage principle that is said to produce finer dispersions than previously has been possible, to permit easy disassembly for cleaning.

Air Reduction Buys Vanadium Corp. Debentures

The Air Reduction Company, Inc., this city, has agreed to purchase from the Vanadium Corporation of America, this city, for investment $2,000,000 of ten-year 2¾ percent convertible debentures at par and 28,571 shares of the authorized, but unissued, common stock, at $35 a share. With the money received from the sale of these securities, Vanadium would pay off its existing bank loans and enlarge and improve its manufacturing facilities. Debentures are understood to be convertible over the next few years into Vanadium common stock at $42.50 a share.

Graphite Lubricant Forms Adsorbed Surface

That the addition of finely divided graphite to mineral oils apparently not only reduces the coefficient of friction of surfaces under vital boundary lubrication conditions, as compared with mineral oils alone, but also changes the character of the surface of the metal being lubricated is revealed in a report of a series of static friction tests by the National Physical Laboratory in England. Researches of two investigators, A. Fogg, M.Sc., and S. A. Hunwicks, B.Sc., are reported to have revealed that the adsorption of graphite particles by the surface of the metal results in the formation of a "graphoid" surface.

The lubricating properties of this surface are said to be so pronounced that when the oil carrier was removed by cleaning with benzene, the static coefficient of friction remained unchanged from what it was, when the oil was present, a value, of course, far below that of the original metal surface. A conventional mineral oil in which was suspended colloidal Acheson graphite (as produced in this country by the Acheson Colloids Corporation, Port Huron, Mich.) was used for the investigations.

Correction:—In the "National Chemical Exposition Exhibitors" guide which appeared in the REPORTER of December 2, it was inadverently stated that the Miner Laboratories, of Chicago, Ill., were "affiliated" with the Glycerin Producers' Association. That is not the relationship which exists. The association, it has been pointed out, is merely one of the many clients of the Miner Laboratories in its consulting practice.

Books You Can Use

Chemists Year Book

Chemists Year Book. Founded by F. W. Atack; Edited by E. Hope. Cloth; 1257 pages, 4 by 6 inches. New York; Chemical Publishing Company. $6.

This work constitutes a valuable reference volume for the chemical analyst or technician. It contains complete tabulations of atomic weights, densities, melting points, vapor pressures, and innumerable other physico-chemical constants. It should prove of especial value to those concerned with analytical problems, either in chemicals themselves or of the many products into which chemicals enter, for it comprehensively describes the sampling, reagents, and procedures involved.

The present edition is a thorough revision, its tabulations and general statements and properties of the inorganic and organic compounds and other departments having all been brought up to date. The division concerned with crystallography has also been redrafted so as to make it more useful to the general technician. Another valuable feature of the new edition reviews the progress which has been made in the field of alkaloidal chemistry.

Soda Silicate Use in Soaps Described in New Bulletin

The use of the silicates of soda in soap making is described in a new bulletin published by the Philadelphia Quartz Company, heavy chemical manufacturer. Incorporation of sodium silicates in laundry and general purpose soaps is said to overcome the redeposition of dirt or other staining agents on the materials being cleansed during washing operations. A copy of the bulletin, No. 1, may be secured by addressing the Philadelphia Quartz Company, 121 South Third Street, Philadelphia, Pa., mentioning the REPORTER.

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Coaltar Chemicals

Other Intermediates

—*Continued from page 33*

ately active. Prices unchangd and firm.

Orthodichlorobenzene.—Market position firm and demand steady.

Orthotoluidin. — Prices well maintained, and transactions steady.

Parachlorophenol. — Moderate interest. Prices lacked change.

Paranisidin. — Dealings routine. Quotations without alteration.

Paranitroanilin.—Spot and contract withdrawals held up well. Prices unchanged.

Paranitrophenol. — Commitments routine. Quotations without change.

Paranitrotoluene. — Steady to firm price tone prevailed, and business was steady.

Paratoluidin. — Quotations firm, and business moved steadily.

Phthalic Anhydride. — Shipments moderately active. Prices unchanged and firm.

R. Salt.—Market a routine affair. Prices well maintained.

Thiocarbanilide. — Demand moderate. Prices lacked any change.

Toluidin.—Prices firm. Withdrawals steady.

Xylidin. — Transactions moderate. Prices continued the same.

Coaltar Colors

Contract prices for various coaltar colors were carried into the first quarter of 1941 at current levels. Sellers will accept contracts on this basis for next year, subject to usual quarterly adjustments. Consumers entered market for fair size replacements against contracts, while transactions on spot were regarded as satisfactory. Export inquiries were moderately active.

October imports amounted to 150,955 pounds, valued at $294,859, of which 78,024 pounds came from Switzerland and 62,932 pounds from Germany.

Imports of coaltar dyes into Japan decreased to 957,002 kilograms during the 1940 January-April period from 1,143,094 kilograms in the corresponding period of 1939. Of the foregoing, imports of sulphur black during the January-April period totaled 727,276 kilograms, artificial indigo 14,762 kilograms and other coaltar dyes 214,965 kilograms.

Wood Preserving Corp. Liquidation Proposed

A special meeting of stockholders of Wood Preserving Corporation, a Koppers Company subsidiary, has been called for December 11 to vote upon liquidation of the corporation.

It is proposed to place a $4,000,000 first mortgage upon Wood Preserving properties and liquidate the company. Proceeds of the mortgage would be used to redeem preferred stock and pay off the present mortgage indebtedness of $1,700,000. The new mortgage would be a 4 percent 10-year issue. If the plan is approved, the preferred stock would be redeemed at $105 a share plus a dividend of $1.50 per share for the fourth quarter of 1940. The Koppers Company would then take over the remaining assets of Wood Preserving.

Toluol Output Increase Planned by Bethlehem Co.

Production of toluol will be increased by the Bethlehem Steel Company, under the provisions of a proposed plan submitted by the company to the National Defense Advisory Commission, stating that the company is ready to make the necessary investment to expand its annual steel ingot capacity by 850,000 tons. This increase in ingot capacity would be made to meet national defense requirements. Cost for such an expansion approximates $18,000,000.

Jones & Laughlin Steel Corporation, Pittsburgh, has called for payment January 1, 1941, at 1,000 and interest entire issue of first mortgage 4 percent bonds, series B, due July 1.

American Can Names M.J. Sullivan President

—*Continued from page 4*

Mr. Sullivan was born in Chicago in 1881. He has an intimate knowledge of the can manufacturing industry, having served it during his entire business life. He came to the American Can Company as salesman at the time of its organization in 1901 from Norton Brothers, Chicago, one of the companies which went to form the American Can Company. He continued in sales in Chicago until he

Dudley W. Figgis

was transferred to St. Paul, Minn., as local sales manager. Subsequently, he became district sales manager in San Francisco and in 1923 vice-president in charge of the Pacific Coast.

Dudley W. Figgis was born in Le Mars, Iowa, March 7, 1883, of Scotch-Irish ancestry. Two years later his family moved to Brooklyn, N. Y., where he received his education in the public and high schools. In 1900, Mr. Figgis started his business career as an office boy for the American Steel Hoop Company. In 1902 he joined the American Can Company, where he has since remained. He has long been prominently identified with activities of the National Paint, Varnish and Lacquer Association.

Western Hemisphere Trade Rules Approved

—*Continued from page 4*

initions for similar service, more effective protection for cargoes, especially in bills of lading, uniform consular documents and fees, and modification of fines.

Modification of laws restricting transportation to vessels of a nation's own registry.

Greater uniformity in shipping statistics.

Establishment of a permanent inter-American maritime group.

These twelve resolutions were adopted from thirty-eight resolutions originally introduced by the delegates.

Obituaries

Edgar Bomer, son of Walter L. Bomer, vice-president of the Bristol-Myers Company, manufacturing chemists, this city, was killed December 2 in an automobile collision at Palos Verdes Hills, Calif. He was twenty-seven years of age.

William Cobb, a research chemist for the Monsanto Chemical Company, St. Louis, died November 29 from injuries suffered in a fall during a hunting trip near Sullivan, Mo., November 21. Surviving are his wife and a son.

Walter B. Galloway, president of the Galloway Terra-Cotta Company, Philadelphia, plunged to his death from his twelfth floor apartment in that city November 27. He was 60 years of age.

Edward M. Henry, vice-president of D. D. Williamson & Co., chemists, this city, died in Point Pleasant, N. J. He was sixty-five years of age.

Raymond C. Purcell, foreign purchasing agent for the Congoleum-Nairn Company, floor covering manufacturers, with which he had been associated for twenty years, died November 27 at his East Orange, N. J., home after a prolonged illness. His age was forty-seven.

Brig. Gen. Adrian S. Fleming, U.S.A. retired, vice-president of the Columbia Pulp & Paper Company, Portland, Ore., died December 1. He was sixty-seven years of age.

Chaim Mittleman, president of the New Rochelle Beverage Company, which he founded in 1919, died November 29 of a heart attack. He was fifty-five years of age.

O. M. Montgomery, vice-president and general manager of the Aluminum Company of Canada, Montreal, died of a heart attack in his home, December 4. He was sixty years of age.

Michael J. O'Brien, president of O'Brien Gold Mines, Ltd., died November 26 at his home in Renfrew, Ont. He was eighty-nine years old.

Dr. William C. Uhlig, former chemistry instructor at Columbia University, died in Wickensburg, Ariz., November 28. He was seventy years old.

Henry H. Waters, who retired May 31 as head of the New York office of the United States Tariff Commission, died December 4 at Ridgewood, N. J. He was seventy years of age.

REPUBLIC BENZOLS

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REPUBLIC STEEL

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Nitration-Commercial

XYLOLS
3° – 5° – 10° – Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL
CORPORATION
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Commercially Pure Benzol
90% Benzol • CXP Benzol
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Sulphate of Ammonia

JONES & LAUGHLIN STEEL CORPORATION
PITTSBURGH PENNSYLVANIA

NEVILLE
2-50-W HI-FLASH NAPHTHA

Preferred in coatings because of
- Uniformly high solvent strength
- Milder, more agreeable odor
- Higher flash point
- Freedom from gummy residue
- More even evaporation rate

Guaranteeing these results
- Increased safety in manufacture
- Superior leveling and better adhesion
- Fewer complaints caused by separation of vehicle solids at low temperatures

B-4

THE NEVILLE COMPANY
PITTSBURGH • PA.

Paint, Varnish, Lacquer Materials

Acetone, Shellac, Italian Siennas, Turkey Umber Higher—Lead Oxides and Several Dry Colors Reduced—Lithopone, Some Titaniums and Zinc Oxides Advanced on New Contracts

Mixed spot price movements and announcements of new contract prices on various types of materials for delivery during the first quarter of 1941 featured the general raw paint materials market last week.

Prominent among the materials that were quoted at higher levels were Turkey umber and raw and burnt Italian siennas. The price of Acetone was increased, reflecting the heavy buying in the market during recent months. Other important lacquer materials were advanced, including normal Butyl Alcohol, normal Butyl Acetate and Isopropyl Acetate. All gum shellac prices were advanced to cover the rising market at Calcutta. The subnormal Busaki crop was forcing the price higher in India and the local market was responding in like manner.

Another drop in pig lead prices occurred December 2 when buyers showed little inclination to place orders. Consumers were believed fully covered in their needs for this month and about 30 percent covered for January. Carlot prices for lead oxides were automatically reduced and the two successive drops in the metal price forced a reduction in less carlot quotations. Many dry colors underwent sharp reductions during the period. Included were regular and concentrated peacock blue, molybdated victoria blue, tungstated victoria blue, molybdated methyl violet toner, fire red toner, lacquer maroon and lithol-rubine toner. Antimony white pigment was lowered.

Another highlight of the week was the announcement by prominent pigments producers that, effective January 2, advances would be made in prices for lithopone; all grades of ordinary titanium dioxide, with the exception of high-hiding material; titanium pigment with a barium, calcium or magnesium base; lead titanate; certain grades of lead-free French process zinc oxide and zinc sulphide. High-hiding titaniums, lead-free and leaded American process zinc oxides and green, red and white seal French process zinc oxides will remain unchanged. Also unchanged will be asbestos, barytes, blanc fixe, china clay, and domestic rottenstone.

Rosin was irregular in Southern and local markets during the week. Dark grades weakened under freer offerings. Medium grades displayed firmness as fresh supplies were comparatively light. Daily receipts were moderate. Business was of the conservative character usually witnessed at this season.

Metallic Lead and Zinz

Following on the heels of a $3 per ton reduction November 26, the price of pig lead was lowered another $3 on December 2. New quotations were 5.50c. to 5.55c. per pound at New York and 5.35c. at East St. Louis. The slab zinc market showed no changes during the period under review, business being carried on in a quiet manner, with prices firm at New York and East St. Louis.

Lead. — Prevailing spot price at New York, East St. Louis and London for the period from November 30 to December 6, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0565@.0570	$0.0550	..* .. ..
Monday	.0550@.0555	.0535	.. .. ..
Tuesday	.0550@.0555	.0535	.. .. ..
Wedn'sd'y.	.0550@.0555	.0535	.. .. ..
Thursday	.0550@.0555	.0535	.. .. ..
Friday	.0550@.0555	.0535	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from November 30 to December 6, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0726	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Price Changes

Advanced

Acetone, 1c. per lb.
Brown, Sienna, Italian, burnt and raw, ½c. per lb., f.o.b. shipping point.
¾c. per lb., dlvd. Metropolitan area.
Umber, Turkey, ¼c. per lb., f.o.b. shipping point
½c. per lb., dlvd. Metropolitan area.
Butyl alcohol, normal, 1c. per lb.
Butyl acetate, normal, 1c. per lb.
Isopropyl acetate, ½c. per lb.
Rosin, gum, 1c. to 28c. per 100 lbs.
Shellac, T.N., 1c. per lb.
superfine, 1c. per lb.
garnet, 1c. per lb.
bonedry, 1c. per lb.
refined bonedry, 1c. per lb.
Shellac, varnish, orange, 5c. per gal.
white, 5c. per gal.
Turpentine, gum, ¾c. per gal.

Reduced

Antimony, white, pigment, 1½c. per lb.
Blue, peacock, regular, 17c. per lb.
concentrated, 17c. per lb.
Molybdated Victoria, 10c. per lb.
Tungstated Victoria, dry standard, 10c. per lb.
Lead, oxides, c.l., 15 points per lb.
l.c.l., c. per lb.
pig, 15 points per lb.
Methyl, molybdated violet toner, 35c. per lb.
Red, fire, toner, 15c. per lb.
lacquer maroon, 10c. per lb.
lithol-rubine toner, 25c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.4	126.8	126.8	131.2

Market news that may have developed after this report was sent to press will be found on page 4.

Pigments

Antimony White.—Reduced 1½c. per pound to a range of 11½c. to 14½c. per pound.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

PARAMET SYNTHETIC RESINS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

CLAYS
FOR CASEIN PAINTS
•
Controlled Particle-Size
High Opacity
Uniform Tinting Strength
•
Clays of Exceptionally White Color
•

GEORGIA KAOLIN CO.
FOUNDED 1901
230 PARK AVENUE NEW YORK, N. Y.
Main Office: ELIZABETH, NEW JERSEY

Flake White.—Market firm. Demand fair.

Litharge.—Car lots of commercial powdered material reduced 15 points per pound to 7¼c. delivered to South and West, and 7c. to other points. Five tons to car lots lowered ¼c. per pound to 7½c. to 8¼c. and smaller lots down ¼c. per pound to 8c. to 8¾c.

Red Lead.—Reduced 15 points for car lots and ¼c. per pound for smaller quantities. Delivered quotations on 95 per cent material were 8c. to 8¼c. per pound for car lots; 8½c. to 9¼c. for five tons to car lots and 9c. to 9¾c. for smaller lots. Prices on 97 per cent material were 8¼c. to 8½c. per pound for car lots; 8¾c. to 9½c. for five tons or more and 9¼c. to 10c. for lesser lots. The 98 per cent material was at 8½c. to 8¾c. per pound for car lots; 9c. to 9¾c. for five tons and 9½c. to 10½c. for smaller lots.

Titanium Pigments.—Effective January 2, all grades of ordinary titanium dioxide will be advanced ½c. per pound, except the high-hiding material, which will remain unchanged. Lead titanate and material with a barium, calcium or magnesium base will be advanced ¼c. per pound. Ordinary titanium in bags will be offered at 13½c. per pound for car lots; 13¾c. for five tons; 14c. for 1,000 pounds to five tons; 14½c. for 50 to 999 pounds and 16½c. for less than 50 pounds. Chalk-resistant material will be quoted at 2c. per pound higher and the high-hiding grade at ½c. per pound higher than the ordinary. Material with a barium or magnesium base will be at 5½c. per pound for car lots; 5¾c. for less car lots and 6½c. for less than 50 pounds. Titanium calcium pigments will be at 5¼c. per pound for car lots; 5½c. for less car lots and 6¼c. for less than 50 pounds. Lead titanate will be quoted at 10¼c. per pound for car lots; 10½c. for five tons and 10¾c. for less than five tons. Prices on material delivered in barrels will be ¼c. per pound higher in each case.

White Lead.—Normal business reported. Prices firm and unchanged.

Orange Mineral.—Prices reduced ¼c. per pound to 11c. to 11¾c. per pound for five tons or more and 11½c. to 12¼c. per pound for smaller lots.

Lithopone.—Effective January 2, the contract price will be advanced ¼c. per pound. New quotations on the high-strength material in bags will be 5¼c. per pound for car lots and 5½c. for smaller quantities. The ordinary grade will be at 3.85c. per pound for car lots and 4.10c. for smaller amounts. Material packed in barrels will be ¼c. per pound higher in each case.

Zinc Oxides.—Lead-free and leaded American process pigments will be unchanged for first quarter delivery. A few grades of the lead-free French process material will be advanced, but the green, red and white seal products will remain unchanged.

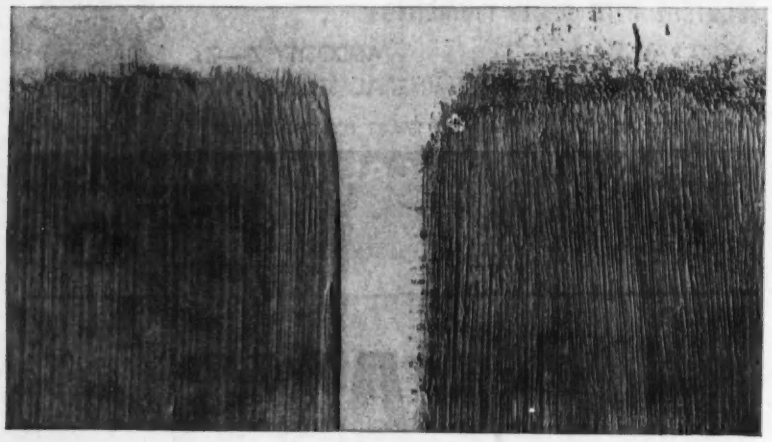
Zinc Sulphide.—Prices will be advanced ¼c. per pound, effective January 2. Ordinary pigment, in bags, will be quoted at 7¾c. per pound for car lots and 8c. for smaller quantities. Pigment with a barium or calcium base will be offered at 5¼c. per pound in car lots and 5½c. in smaller lots. Magnesium base material will be at 5½c. per pound for car lots and 5¾c. for smaller amounts.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

LET ALBALITH MAKE

Calcimine Coater Sales

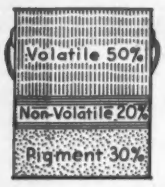
FOR YOU



AS A CEILING PAINT

WHEN BRUSHED OUT over composition wall board precoated with a calcimine finish, a "calcimine coater" (left in the photograph) generally gives a more uniform appearing coating than that yielded by the conventional flat wall paint (right). This is due to the development of a special non-penetrating vehicle which, incidentally, brings out most efficiently the desirable properties of high dry hiding ALBALITH Lithopone.

A paint coating for use directly over calcimine ceilings? You know that ordinary flat wall paints won't do the job. That's why more and more painters are using *calcimine coaters,* not only over calcimine ceilings, but on other porous and unprimed surfaces as well.



Typical Calcimine Coater

An economical way to get the non-penetrating qualities and high dry hiding so essential in calcimine coaters is to formulate with Albalith 351, 361 and 362. At high PFV's (pigment fixed-vehicle ratio), no other type of pigment is as economical to use as these high dry hiding lithopones.

For example:

At a PFV of 63% and with a typical limed liquid, you get a raw materials cost of well below that of the average flat wall paint. And one gallon of calcimine coater makes at least 1⅜ gallons of easy brushing, ready-to-use paint.

You can prove all this for yourself. Let us supply further information that will help you.

ALBALITH LITHOPONES

- *351* A high dry hiding lithopone treated for easy wetting and good suspension.
- *361* Gives high dry hiding and free-flowing consistency.
- *362* Gives high dry hiding and higher sheen than Albalith-361.

THE NEW JERSEY ZINC CO., 160 Front Street, New York

Naval Stores

Rosin displayed considerable irregularity at times last week, offerings of some grades in the primary center showing an increase while fresh supplies of other grades were light or moderate. B grade rosin dropped rather sharply under increased offerings at a time when buyers were inclined to hold off. On the other hand some of the medium and pale grades exhibited a steadier tone, sales being reported at prices showing a moderate advance as compared with the quotations prevailing at the close of the previous week. The trend of turpentine was downward at times, sales being reported in the Savannah market on Wednesday at 30½c., which compared with 30¾c. on the previous day and 31c. on Monday.

Business in southern and local markets was quieter last week so far as the volume of new orders received was concerned although the indications still seemed to point to a steady movement of both rosin and turpentine into consuming channels. Consumption of rosin in the paper industry is said to have increased recently and soap makers were also reported to be consuming larger quantities than at this time last year. The agreement between the government and naval stores dealers covering the distribution of government holdings of naval stores which was signed early in the season and was expected to continue into next year has been terminated, according to an announcement received in the trade from Washington early last week. It is expected that a new agreement will be announced before the opening of the new year.

There were reports of occasional export inquiries for rosin and turpentine last week and in this connection it is of interest to note that several Greek steamers are expected to take cargoes of naval stores from this country to European destinations during the next few weeks. The exports of gum rosin in October, according to official statistics received last week, were 21,532 barrels; wood rosin, 22,044 barrels. Exports of gum turpentine for the month were 305,179 gallons; wood, 33,963 gallons. Pine oil exports, 140,112 gallons; tar of pitch and wood, 86,666 pounds.

During October the production of naval stores in the Durango area of Mexico was low, according to a consular report, as operations were practically completed for the season. Estimates of naval stores production for the month were 7,500 gallons of gum turpentine and 100 metric tons of rosin. Sales for the month totaled 8,000 gallons of turpentine, shipped to the United States, and 60 metric tons of G, H, and I grades of rosin for local consumption. At the end of October stocks on hand were reported to be 24,000 gallons of turpentine and 540 metric tons of rosin.

Turpentine.—No broadening of trade was noted here last week, consumers being disinclined to purchase in advance of current needs. A fair movement of small or moderate lots was noted. The market was easier in company with a downward trend at times in the primary center.

SAVANNAH, Dec. 6.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	..	..	..	..
Monday	31	10,100	78	222	11,915
Tuesday	30¾	9,650	210	347	11,778
Wednesday	30½	6,300	172	530	11,420
Thursday	30¾	5,400	149	...	11,569
Friday	30¾	2,500	140	85	11,674

* No trading.

JACKSONVILLE, Dec. 4.—Turpentine stocks 11,420 barrels.

PENSACOLA, Nov. 30.—Turpentine stocks 11,027 barrels.

Chicago—Dec. 6

There has been a slight easing of the price structure in turpentine, but demand continues fairly active. Both wholesale and retail divisions are producing a rather good volume. Ruling prices at the close of business last night were:—Five drum lots, 44c. per gallon; five wood barrels, 49c.; single drums, 47c.; single barrels, 52c.

Rosin.—The local market was rather quiet last week. In some quarters a fair volume of inquiries was received but as a rule purchasing was limited to comparatively small or moderate quantities, consumers being disinclined to anticipate at this period. Prices were irregular.

SAVANNAH, Dec. 6.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$1.70	$1.50	$1.50	$1.50	$1.52
D	1.70	1.60	1.60	1.60	1.65
E	1.65	1.65	1.60	1.60	1.61
F	1.67	1.62	1.63	1.61	1.62
G	1.67	1.68	1.65	1.66	1.67
H	1.73	1.75	1.72	1.73	1.78
I	1.83	1.80	1.80	1.80	1.87
K	2.02	2.00	2.10	2.00	2.10
M	2.16	2.05	2.15	2.13	2.15
N	2.20	2.20	2.20	2.20	2.20
WG	2.52	2.52	2.52	2.52	2.52
WW	2.75	2.75	2.75	2.75	2.75
X	2.75	2.75	2.75	2.75	2.75
	Barrels				
Sales	232	553	432	285	127
Receipts	1,098	879	861	719	379
Shipments	592	401	71	...	522
Stocks	...	...	...	...	166,924

* No trading.

JACKSONVILLE, Dec. 4.—Rosin stocks 323,154 barrels.

PENSACOLA, Nov. 30.—Rosin stocks 54,480 barrels.

Chicago—Dec. 6

Buyers of rosin are keeping commitments low. Offerings are reported moderate. Ruling prices at the close of business last night in five drum lots were:—B grade, $2.85 per lot of 100 pounds net; G grade, $3.03; M grade, $3.65; W.W. grade, $4.05.

Other Naval Stores

Pine Oil. — Quotations unchanged. Fair movement of moderate lots.

Pitch.—Local stocks light or moderate. Fair demand. Tone firm.

Rosin Oil. — Quotations stationary. Tone steady. Trade quieter.

Tar.—Prices unchanged. Fair contract movement. New business quieter.

Driers

Movement of stearates and palmitates was sluggish last week, most consumers having stocked fully in previous periods. No announcements were made regarding prices on contracts for first quarter delivery.

Dry Colors

Alkali Blue.—Business slower. Price firm.

Bone Black.—Prices will probably will be extended through first quarter of 1941.

Carbon Black.—Demand fairly good. Shipments regular and in good-sized lots. Prices firm and unchanged.

Carmine No. 40.—Routine call. Price steady.

Chrome Colors.—Demand fair. Shipments regular. Inquiries off. Prices firm and unrevised.

Fire Red Toner.—Reduced 15c. per pound to 85c.

Iron Oxides.—Movement into consumption satisfactory. Prices steady and unchanged.

Lamp Black.—Fair call. Prices firm.

Lacquer Maroons.—Reduced 10c. per pound to $1.25.

Lithol-Rubine Toner. — Contract prices lowered 25c. per pound to $1.10. Demand fair at new price.

Molybdate Methyl Violet.—Lowered 35c. per pound to $1.25. Sharp drop failed to influence new business and the market remained more or less quiet.

Molybdate Victoria Blue.—Reduced 10c. per pound to $3 15. Movement was along normal lines during the week, with shipments in fair-sized lots and demand small but steady.

Mercuric Oxides.—There was but a

THE QUALITY OF
IMPERIAL COLORS
IS *Established*
THEIR PERFORMANCE
IS *Time-proven*

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division **GLENS FALLS, N. Y.**
The largest manufacturers of chemical pigment colors in America
Branch Offices and Warehouses:
Boston - New York Philadelphia - Cleveland - Detroit - Cincinnati
Pittsburgh - Seattle - Chicago - St. Louis - San Francisco
Baltimore - Dallas - Los Angeles - Louisville

STEARATES
ZINC STEARATE
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● NEW YORK
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● ST. LOUIS
● KANSAS CITY
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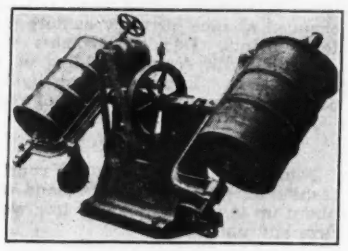
● LOS ANGELES
● SAN FRANCISCO
● NEW ORLEANS
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.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Rotates and Tumbles at Same Time
RUGGED-SIMPLE-EFFICIENT
Write for circular and prices
The Vol-U-Meter Co.
59 Terrace Buffalo, N. Y.

GILSONITE
SUPER SELECTS
Low Viscosity Type. MP 275° F. Extremely Uniform.
ALLIED ASPHALT & MINERAL CORP.
217 BROADWAY, NEW YORK FACTORY: DUNELLEN, N. J.
Agents and Warehouse Stocks in Principal Centers

No. 8 Can Filler
Fills liquids or semi-Fluids into Tubes, Cans or Jars at the rate of thirty containers per minute.
Used in leading plants for filling Varnish and Enamels.
We make Filling Machines for every purpose
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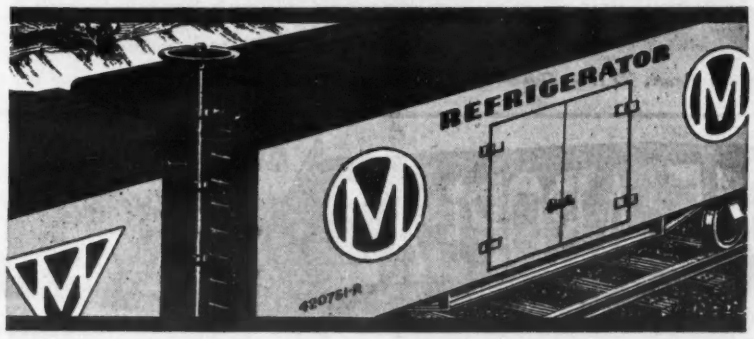
Good VEHICLES DESERVE
Good PIGMENTS



CONSIDER the paint on freight cars that gets the extreme in weathering tests. Mapico Yellows give toughness, durability and long life to such paints, industrial finishes and coatings that must resist exceptionally hard wear. They are strong, absolutely permanent and unaffected by acids, alkalies, gases or sunlight. As pure iron oxides they cannot react to any other materials used in paint manufacture. If your specification calls for a paint with "backbone", we recommend Mapico Yellows.

MAPICO *Yellows*
PURE OXIDES OF IRON
Light Lemon Lemon
Orange Dark Orange
Dark Orange Special

We invite inquiry from paint manufacturers and their technical staffs.

DIVISION OF COLUMBIAN CARBON COMPANY
MAGNETIC PIGMENT CO.
BINNEY & SMITH CO., *Distributor*
41 EAST 42ND STREET • NEW YORK, N. Y.

small interest in offerings of these colors and buying was for immediate needs only. Prices were steady and unchanged.

Ocher.—Fairly good call for this time of year. Business showing signs of slackening, however. Prices steady.

Peacock Blue.—Lowered 17c. per pound to 35c. for the regular and 52c. for the concentrated.

Tungstated Victoria Blue.—The dry standard color was reduced 10c. per pound to a level of $3.15. Demand was fairly well maintained, although showing signs of easing.

Sienna.—Burnt and raw Italian siennas were advanced ½c. per pound to 6¼c. to 13c. per pound for the former and 5¾c. to 13¼c. for the latter, both f.o.b. shipping point.

Umber.—Turkey umber was increased ¼c. per pound to a level of 4¼c. f.o.b. shipping points.

Fillers and Extenders

Asbestos.—Current price will be extended to cover contracts for the first quarter of 1941.

Asphaltum.—Market routine. Price firm.

Barytes.—There will be no changes in prices on new contracts.

Bentonite.—Routine movement. Demand smaller. Inquiries off. Price firm and unchanged.

Blanc Fixe.—There was no indication of any price revision on first-quarter contracts. Business last week was quiet.

China Clay.—Prices will be unchanged for delivery during the first quarter of 1941.

Diatomaceous Earth.—Demand small. Price firm.

Fullers Earth.—Normal movement of stocks reported. No changes in price.

Graphite.—Satisfactory business. Demand better than normal for this time of year. Prices firm.

Marble Flour.—Routine and steady.

Mica.—No changes reported. Demand fair.

Pumice Stone.—No material available. Prices withdrawn.

Rottenstone.—Domestic material will be unchanged for delivery during January-March, 1941. Imported material unavailable.

Talc.—Routine movement. Price steady.

Tripoli.—Market quiet. Demand slack. Price firm.

Whiting.—Satisfactory trade reported. Prices firm.

Woodflour.—No offerings of Norwegian material. Domestic grades moving fairly well. Prices steady.

Lacquer Materials

Advances in the prices for some important lacquer materials and solvents featured the market last week. Acetone was raised a full cent, reflecting the sold up position of the market in recent months. Normal butyl alcohol and acetate were lifted a cent. Isopropyl acetate was advanced. One seller extended prices into early part of next year for amyl acetate, ex-fusel oil, various propionates and refined fusel oil. Word concerning other materials was expected in the near future. Business continued at a good pace in all directions. In many materials sellers were well sold up against contracts, and were reluctant to accept new business or any export inquiries. Operations in basic consuming industries remained high, and the outlook was favorable.

Acetone.—Prices advanced 1c., making tanks 6c. per pound, car lots, 7½c. and less car lots 8c. per pound. Demand steady, and market position tight. October exports 1,925,464 pounds, valued at $124,845.

Alcohol, Butyl.—Normal 1c. higher to basis of 9c. in tanks. Good demand. October exports 314,239 pounds valued $24,419.

Amyl Acetate.—One seller extended current prices into early part of 1941. Buying moderately active. October exports 65,493 valued at $6,191.

Butyl Acetate.—Prices advanced 1c. for normal, making tanks 9c. per pound. Buying steady. October exports 745,635 pounds valued at $66,246.

Butyl Propionate.—Quotations will remain firm for early part of 1941. Interest continued steady.

Cellulose Acetate.—Steady to firm price tone. Shipments moderately active.

Dibutyl Phthalate.—Commitments routine. Market position firm.

Dichlorethyl Ether.—Market firm. Buying on spot and against contracts well maintained.

Ethyl Acetate.—Sellers writing contracts at higher levels recorded preceding period. Purchasing was steady.

Isopropyl Acetate.—Prices advanced ½c., making tanks east of Rockies 6½c. per pound. Market position strong, and business good.

Methyl Acetate.—No word concerning next year's prices, but market was firm. Shipments well sustained.

Methylethyl Ketone.—Market firm, nothing yet on next year's contract prices. Steady interest.

Tricresyl Phosphate.—Prices hold firm, and buying was moderately active.

Shellac

All prices were advanced 1c. per pound, thus confirming and buttressing the strength that recently swept from Calcutta to America and turned all prices from static entities into lively, vigorous figures responsive to excellent demand and general optimism regarding the future of consumption. T. N. was set up to 17c. to 18c. per pound, spot; superfine, 17½c. to 18½c.; D. C., V. S. O. and Diamond I, 28c. to 29c.; garnet, 21c. to 22c.; bonedry, 26c. to 27c.; refined bonedry, 32c. to 33c. In addition, quotations on shellac varnish in the Metropolitan area were advanced 5c. to cover higher production cost. Quotations on five-pound white were $1.25 to $1.30 per gallon; 4½-pound cut, $1.20 to $1.25; four-pound cut, $1.15 to $1.20: orange, four-pound cut, $1.15 to $1.20; 4½-pound cut, $1.10 to $1.20; four-pound cut, $1.05 to $1.10. Underproduction in the Bysaki crop is steadily forcing shipment prices higher, and those on spot respond to a degree indicative of the extreme sensitivity of the local market to primary market price movement.

Varnish Gums

In line with conditions that had prevailed for several previous weeks, all types of natural resins remained unchanged at both primary centers and local points. Decided firmness was reported, with demand holding up to expectations. Shipments were lighter but were normal for this time of year.

Synthetic Resins

Ester gum was moving in routine fashion during the week. Demand was about up to expectations. Prices were firm and unchanged.

Glues and Binders

Casein.—Demand fairly good. Prices unchanged and firm for both domestic and Argentine materials.

Glues.—Prices firm to strong. Demand heavy.

Cleveland Paint Groups Plan Christmas Party

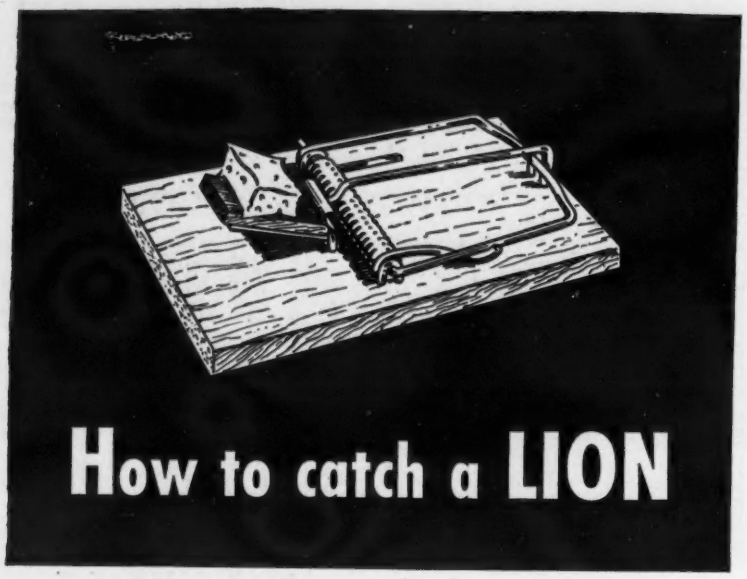
Cleveland, Dec. 3, 1940

The Cleveland Paint, Varnish and Lacquer Association and the Cleveland Paint and Varnish Production Club will hold their annual joint Christmas party December 13 (Friday). The program contemplates the flouting of superstition—there will be mirrors to break; ladders to walk under; black cats to stroll across the path; and three cigarettes for every match.

The party will be held in the Hotel Carter rainbow room, beginning at 5:30 p.m.; dinner will be served at 7 p.m.

Trigg Unable to Attend N.Y. Paint Club Party

Important conferences relating to the paint industrys' role in the National Defense Program have forced Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, to abandon his plan to attend the December 12 Christmas party of the New York club.



How to catch a LION

By all means, set a trap. But be very sure you build a trap that *fits!*

In many things, fit is important. But especially so in the selection of a metallic soap for your product. That's why, for 25 years, Metasap has made a particular point of supplying manufacturers with metallic soaps that suited the needs of their individual products *exactly!*

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945 AROPLAZ

A pure alkyd resin of medium oil length possessing, to an unusual degree, combined film-forming and plasticising properties, making more readily attainable flexibility with simultaneous hardness.

AROPLAZ 945 has excellent adhesion, durability, flow and color and gloss retention plus the following specific characteristics:

In Nitro-Cellulose Lacquers: Low viscosity and good compatibility, even with basic pigments; versatility for use on cloth, metal, paper and wood, regardless of type of exposure.

With Ureas: Extreme hardness and mar-proofness, without requiring too high a proportion of the more brittle and less adhesive baking urea.

As the Sole Vehicle: Reasonable hardness after baking for 1½ hours at 300°F or 2 hours at 250°F.

THE COMPLETE RESIN LINE
"S & W" ESTER GUM—all types
"AROFENE"*—pure phenolics
"AROCHEM"*—modified types
"CONGO GUM"—raw, fused and esterified
"AROPLAZ"*—alkyds
NATURAL RESINS—all standard grades
* Registered U. S. Patent Office

STROOCK & WITTENBERG CORPORATION
LINCOLN BUILDING, NEW YORK, N. Y.

Louisville Production Club Hears Carbon Black History

Louisville, Ky., Dec. 2, 1940

L. J. Venuto, of Binney & Smith Co., New York, was the guest speaker at the November meeting of the Louisville Paint and Varnish Production Club. He traced the history of carbon black from its discovery by the Chinese thousands of years ago to the present day. Mr. Venuto also explained the milling of blacks as well as the proper formulation and procedure to obtain stable dispersions of high color. Beaded black was compared with the usual fluffy black. Diagrams were used to show the limits of the area of stability.

Paint Credit Group Hears Riegel on Sales Markets

Clarence L. Riegel, president of the New York Credit Men's Association, was guest speaker at the November dinner meeting of the Paint and Allied Industries Group of the association. He reveiwed some of the work of the association on legislation that affects credit, the problem of supplying capital for deserving small businesses, and the role of the credit man in assisting the sales department in creating new and additional sales markets.

The entertainment committee of the group announced that the annual dinner-dance and Christmas party will be held December 21 at the Hotel Pennsylvania.

C. Francis Beatty

President of Socony Paint Products Company recently commissioned as a member of the national panel of arbitrators by the American Arbitration Association

Trade Briefs

Imperial Varnish & Colours Company, Ltd., R Toronto, has sold 8,217 preferred shares at $32.50 per share.

James E. Day, of Elliot Paint & Varnish Company, has been elected president of the Chicago Paint Salesmen's Club.

Baltimore Printing Ink Corporation has leased an entire floor at 37 Charles street, Baltimore, for manufacturing purposes.

Mildred Gross, secretary of the Palmer-Schuster Company, distributor of paint materials, Cleveland, Ohio, has announced her engagement to Robert H. Effland.

New England Paint and Oil Club will hold a joint Christmas party with the New England Paint and Varnish Production Club in the Hotel Somerset, December 19.

J. A. Myers, vice-president of the Columbia Naval Stores Company, Savannah, was elected president of the Ogelthorpe Club of Savannah at its annual meeting November 30.

Howard Dygert, formerly a sales executive with the Reynolds Metals Company, has been named sales and promotion manager of the foil division of Milprint, Inc., Milwaukee.

American Pumice Company has been incorporated in Los Angeles county, California, with a capital of $10,000. Its directors are:—Clarence P. Shattuck, M. Christensen, and Byron E. Thomas, and it is represented by Robert N. Baker, Bay Cities building, Santa Ana, Cal.

Books You Can Use

Synthetic Enamels

Lacquer and Synthetic Enamel Finishes. By Ray C. Martin. Cloth; 525 pages, 6 by 9 inches. New York: D. Van Nostrand Company. $5.50.

A practical handbook for use in the actual production of lacquers and modern synthetic enamels is presented in this volume. It comprehensively discusses all of the raw materials in such protective coatings and describes method of manufacture, testing, and application of the finished materials on various surfaces and in various ways.

The first portion of the book presents a general history of the development of lacquer finishes. This is followed by a complete discussion of the raw materials, which includes the cellulosic compounds, solvents and non-solvents, plasticisers, resins, and pigments. Next described is representative equipment and the plant required for the manufacture of synthetic coatings.

The volume continues with a discussion of the requirements of various types of finishes and their formulation, followed by analytical methods and laboratory and field tests employed by the industry. Subsequent chapters explain the faults and corrections in present day finishes, and their applications, particularly in the furniture and automotive fields.

Toronto Production Club Hears L. A. Chloupek

Toronto, Nov. 25, 1940

A description of the properties and applications of melamine and melamac resins was presented by L. A. Chloupek, of the American Cyanamid & Chemical Corporation, at the November meeting of the Toronto Paint and Varnish Production Club. He also gave a short resume of the peculiarities of infra-red baking.

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CLEAN SOLUBLE NITRATE FILM SCRAP
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BURBANK, CALIFORNIA
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Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
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Iron Blues
Para Toners
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Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
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HUNTINGTON WEST VIRGINIA

Shawnee
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Chrome Greens
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Para Reds Iron Blues
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ALUMINUM - ZINC - CALCIUM
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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Alphanaphthylvinyl Ketone

Resins

Starting point (Brit. 484599) in making—
Polymerized products useful as resins

Betacarbamylethylpyridinium Bromide

Textile

Claimed (Brit. 497485) as—
Textile assistant

Calcium Oxalate

(Calciumoxalat, Kalziumoxalat, Oxalate Calcique, Oxalate de Chaux, Oxalate of Lime, Oxalsaurescalcium, Oxalsaureskalk, Oxalsaureskalzium)

Cement and Concrete

Ingredient (U.S. 1245608) of—
Acidproof cement
Waterproof cement

Chemical

Catalyst (U.S. 1292019) in making—
Urea
Ingredient (U.S. 1473543) of—
Catalytic mixtures used in making—
Ammonia
Process material (special) in making—
Oxalid acid (U.S. 1251938, 1310713, 1396368, 1466624, and 1466628)
Sodium oxalate (U.S. 1310713)
Source of oxalate radicle in making—
Organic oxalates
Oxalic acid

Food

Process material (U.S. 1450865) in making—
Candies and confections

Leather

Ingredient (U.S. 1241950) of—
Quebracho tanning compound
Process material (U.S. 1444548) in—
Tanning hides and intestines

Miscellaneous

Ingredient (U.S. 1273432) of—
Etching electrolyte

Pharmaceutical

In compounding and dispensing practice
Process material (U.S. 1450865) in making—
Lozenge
Pill
Powder
Tablet

Ethyl Acetoxymethylphthalate

Adhesives

Plasticizer (U.S. 2115709) in—
Adhesive compositions containing synthetic resins and cellulose ethers or esters

Ceramic

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Prasticizer (U.S. 2115709) for—
Cellulose esters or ethers
Synthetic resins

Cosmetic

Plasticizer (U.S. 2115709) in—
Nail enamels and lacquers containing cellulose esters or ethers as base material

Electrical

Plasticizer (U.S. 2115709) in—
Insulating compositions, containing synthetic resins and cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Leather

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of artificial leather and as coatings for protecting and decorating leather and leather goods

Metal Fabrication

Plasticizer (U.S. 2115709) in—
Coating compositions, containing synthetic resins and cellulose esters or ethers, used for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 2115709) in—
Coating compositions, containing synthetic resins and cellulose esters or ethers, use for protecting and decorating various articles

Paint, Varnish, and Lacquer

Plasticizer (U.S. 2115709) in—
Paints, varnishes, lacquers, enamels, and dopes containing synthetic resins and cellulose esters or ethers

Paper

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of coated papers and as coatings for protecting and decorating products made of paper or pulp

Photographic

Plasticizer (U.S. 2115709) in making—
Films from cellulose esters or ethers

Plastics

Plasticizer (U.S. 2115709) in making—
Laminated fiber products
Molded products
Plastics from or containing synthetic resins and cellulose esters or ethers

Resins

Plasticizer (U.S. 2115709) for—
Synthetic resins
Plasticizer (U.S. 2115709) in making—
Artificial resins from or containing cellulose esters or ethers

Rubber

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 2115709) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used as protective and decorative coatings on woodwork

3-Ethylthio-2:4-benzothiazin Ethiodide

Dye

Starting point (Brit. 478945 and 496520) in making—
Photosensitizing dyes with the aid of—
3-Ethylrhodanin
3-Ethylthiorhodanin
3-Methylrhodanin
3-Methylthiorhodanin

Licania Oil

(Oil of Licania Crassifolia)

Oils and Fats

Vegetable oil with following characteristics—

	Extractd.	Expressd.
Acid value	1.9	1.3
Diene number	71.0	69.5
Iodine value	164.7	163.2
Licanic acid	60%	...
Rafractive index (20°C.)	1.5292	1.5367
Saponification value	1o9.2	191.5
Saturated acids	7.1%	...
Specific gravity (15°C.)	0.9555	0.9588
Thiocyanate value	118.8	...
Unsaponifiable	1.4%	1.3%

Paint, Varnish, and Lacquer

Suggested for use as—
Drying oil

Methyl Acetone

(Acetone de Methyle, Acetone Methylique, Acetone de Metil, Acetone di Metile, Chetone di Metile, Methylaceton, Methylazeton)

(The product found in commerce consists of various mixtures of acetone (47.5 to 51.0 percent), methyl acetate (27.5 to 31.0 percent), and methanol (20.0 to 25.0 percent))

Adhesives

Suggested as solvent in—
Adhesive preparations containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose

Aviation

Thinner (U.S. 1315216) for—
Airplane dope

Cellulose Products

Ingredient of—
Nitrocellulose cements
Nitrocellulose coating (U.S. 1320458)
Ingredient of solvent mixture for—
Cellulose ether (U.S. 1437952 and 1500366)
Ethylcellulose (U.S. 1500366)
Solvent for—
Cellulose asetate
Nitrocellulose
Solvent (special) for—
Cellulose acetate (U.S. 1275884, 1298199, 1310841, and 1394890)
Cellulose ester (U.S. 1437952)
Nitrocellulose (U.S. 1143878, 1269339, 1320458, 1394890, 1398239, and 1441203)

Ceramic

Suggested as solvent in—
Coating compositions containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used for decorating and protecting ceramic products

Chemical

Organic solvent offering following properties—
Acidity, not more than 0.005 percent (as acetic acid)
Average weight, 6.97 pounds per gallon at 60°F.
Boiling range, 50°C. to 67°C.
Colorless
Miscible with water, oils, and hydrocarbons in all proportions.
Specific gravity, 0.830 to 0.836 (20/20°C.)
Solvent for—
Benzyl abietate
Cellulose acetate
Cellulose nitrate
Gums
Nitrocellulose
Resins
Various substances
Starting point (U.S. 1497439) in making—
Methylacetone-glycerol (used in food flavorings)

Electrical

Suggested as solvent in—
Insulating compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used in covering wire and coating equipment and machinery

Glass

Suggested as solvent in—
Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glass and glassware

Gums

Dewaxing agent for—
Natural gums

Leather

Solvent (special) in making—
Artificial leather (U.S. 1269339, 1320458, and 1437170)
Solvent in—
Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as protective and decorative coatings for leathers and leather goods and in the manufacture of artificial leather

Metal Fabrication

Suggested as solvent in—
Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as coatings for decorating and protecting metallic articles

Miscellaneous

As a solvent for various purposes
Solvent in—
Coating compositions (U.S. 1358914)
Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as coatings for various purposes of insulation, protection or decoration
Fireproofing composition (U.S. 1310841)

(To be continued)

(2-Methyl-2′:1′-naphth-3:4-oxazole-2)-(6-methyl-1-ethylquinolin-2)-cyanin Iodide

Photographic

Sensitizer (U.S. 2072908) in—
Photographic emulsions

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Oils, Fats, and Waxes

Further Advance in Refined Fish Oils—Soybean and Corn Oils Firmer — Crude Coconut Easier — Small Changes in Cottonseed Oil Futures — Trade Generally Slow

There were comparatively few changes in quotations on miscellaneous oils, fats and greases last week, the prevailing tone being steady. Business was along the same narrow lines usually witnessed at this season when few consumers are disposed to add materially to their holdings. On the other hand offerings of many domestic and imported products were light. In the markets for cottonseed oil and lard futures there was a continuation of the narrow and indecisive fluctuations noted in recent preceding weeks.

As to changes in quotations a development of interest was a further advance in refined fish oils, the upward movement being a reflection of the course in recent weeks of the markets for crude fish oils. Higher prices were quoted in some quarters for soybean and corn oils. Copra was easier and quotations on crude coconut oil were shaded.

A hearing to discuss exemption of the storing of soybeans and flaxseed, from the maximum hour provisions of the fair labor standards act will be held in Chicago on December 9, it has been announced by the labor department's wage and hour division.

According to a report from Washington production of margarin in October was 30,160,000 pounds or 6,220,000 pounds larger than in the same month last year. The Department of Agriculture, under the provisions of the Pace amendment to the Commodity Exchange Act which becomes effective December 8, designated the New York Produce Exchange, the Chicago Board of Trade and the New Orleans Cotton Exchange as contract markets for trading in fats and oils futures. The Pace amendment gives the Department of Agriculture authority to enforce fair practices in futures trading to provide protection against price manipulation and excessive speculation.

Vegetable Oils

Castor, Dehydrated. — Contract deliveries large and steady. New business fairly active. Quotations maintained.

Chinawood.—Primary situation continued firm. Shipment offerings light. Fair local inquiry. Prices steady. Arrivals here last week 170 tons.

Coconut.—Crude ⅛c. lower. Copra easier. Trade quiet. Refined oil steady. Fair demand.

Corn.—Crude offerings light. Market firm at ⅛c. to ¼c. advance. Fair inquiry. Refined in fair demand and steady.

Cottonseed. — Edible oil steady. Trade somewhat more active.

Oiticica.—Increased inquiry. Offerings continued light. Market steady.

Olive.—Active inquiry for denatured and edible. Offerings continued limited. Quotations nominal.

Palm.—Inquiry slow. Offerings light. spot and shipment. Market steady.

Peanut.—Fair request, crude and refined. Offerings generally light.

Perilla.—Quiet and steady. Spot stocks reported light.

Rapeseed.—Refined oil steady. Trade quiet. Stocks limited.

Soybean. — Contract movement steady. New business fairly active. Quotations advanced ⅛c. to ¼c. by some sellers.

There was no trading in soybean oil futures on the New York Produce Exchange from November 30 to December 6, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	...	...	4.60@4.82
May	...	...	4.60@4.85

Markets at Other Centers

Chicago, Dec. 6.—Demand for vegetable oils in general is fairly good. Prices fluctuating within quite narrow bounds without indicating any basic trend.

COCONUT.—Crude, Pacific Coast, December-forward, 2⅜c. to 2½c. per pound. Refined, edible oil, 7¼c. to 7½c. per pound, drums, car lots; and 7¾c. to 8c., drums, less than car lots.

CORN.—Crude, low acid, 5¾c. to 5⅞c. per pound. Refined, edible oil, 8c. to 8¼c. per pound, drums, car lots; 8½c. to 9c., drums, less than car lots.

PEANUT.—Crude, South, 5c. to 5⅛c. per pound.

Price Changes

Advanced

Corn oil, ⅛c. to ¼c. per lb.
Menhaden oil, refined, 4-10c. per lb.
Sardine oil, refined, 4-10c. per lb.
Soybean oil, ⅛c. to ¼c. per lb.

Reduced

Carnauba wax, No. 3 chalky, 1c. per lb.
No. 3 North Country, 1c. per lb.
No. 2 North Country, 1c. per lb.
No. 1 yellow, 1c. per lb.
No. 2 yellow, 1c. per lb.
Coconut oil, crude, ⅛c. per lb.
Copra, 1-20c. per lb.
Japan wax, ½c. per lb.
Lard, 10c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
100.4	100.3	96.0	102.8

Market news that may have developed after this report was sent to press will be found on page 4.

SOYBEAN.—Crude, 4¼c. to 4⅜c. per pound.

The market for soybeans on the Chicago Board of Trade was irregular. Trading fairly active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Dec. 6.	Closing Nov. 29.
Cash	$1.01	$0.97½	$0.97½	....
May	.98	.93¼	.93⅝	.96⅝
July	.94¼	.92¼	.92⅝	.94½

San Francisco, Dec. 4.—Firmness continues in vegetable oils, but trading activity is extremely light, the movement being so narrow that several of the oils are in a purely nominal position. Offerings are moderate, some being very light.

Ruling prices are:—

COCONUT.—Quoted 2½c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, with sales reported previously at 2⅜c.

COPRA.—Business can be placed today at from 1.375c. to 1.40c. per pound, c.i.f. Pacific Coast ports. With a freight rate of $13.50 per ton against a pre-war schedule of $6, returns to copra shippers are now at the lowest ebb in history, it is stated here.

CHINAWOOD.—Quoted at 25½c. per pound in tankcars, f.o.b. San Francisco. Trade narrow.

OITICICA.—Raw, liquid oil quoted 19c. per pound in drums, f.o.b. San Francisco. Tankcars, quoted at 18c. Market steady and unchanged.

COTTONSEED. — Domestic bleachable oil quoted 5½c. per pound in tankcars, f.o.b. Northern California mills.

PERILLA.—Quoted 16½c. per pound in tankcars, duty paid, f.o.b. San Francisco.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Linseed Oil

Flaxseed prices were irregular in domestic markets. Changes at Buenos Aires small. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, Dec. 6.—Now that navigation has closed there is a temporary letup in demand flaxseed that is offset to some extent by the small receipts.

The week's closing price range was as follows:—

	Cash.	Dec.
Saturday	$1.59	$1.56
Monday	1.57⅝	1.54¾
Tuesday	1.58	1.55
Wednesday	1.60	1.57½
Thursday	1.61	1.58
Friday	1.60	1.57

Crop movement in bushels follows:—

	Receipts— 1940.	1939.	Shipments— 1940.	1939.
This week	88,968	133,226	522,385	1,134,471
Since Aug. 1	5,784,612	4,300,170	4,124,463	3,860,864

MINNEAPOLIS, Dec. 6.—Offerings of flaxseed from the country increased and since diversion point buying for eastern shipment ceased all of the supply has been coming to this market. The Argentine situation is such that crushers are proceeding with caution and there is little chance that cash flax supplies will be tied up at Duluth to await opening of navigation in the Spring.

During the flurry there was liberal country selling of futures that was partially caused by the liquidation of stored flax held for farmers in interior houses. In addition there was further liquidation of stored flax held in local elevators. Speculative buying of deferred futures is intermittent and limited.

Cash supplies offered in the local market were readily taken at firm to strong premiums. Shipping advices from the country are better temporarily, though they are apt to shrink when storage flax sold of late has been moved to market.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.61	$1.56	$1.59
Monday	1.59¾	1.54¾	1.58
Tuesday	1.60	1.55	1.58
Wednesday	1.62½	1.57½	1.60½
Thursday	1.64	1.58	1.60¾
Friday	1.63	1.57	1.59¾

Crop movement in bushels follows:—

	Receipts— 1940.	1939.	Shipments— 1940.	1939.
This week	97,600	56,000	39,200	22,400
Since Sept. 1	7,606,900	3,412,800	1,074,400	1,470,050

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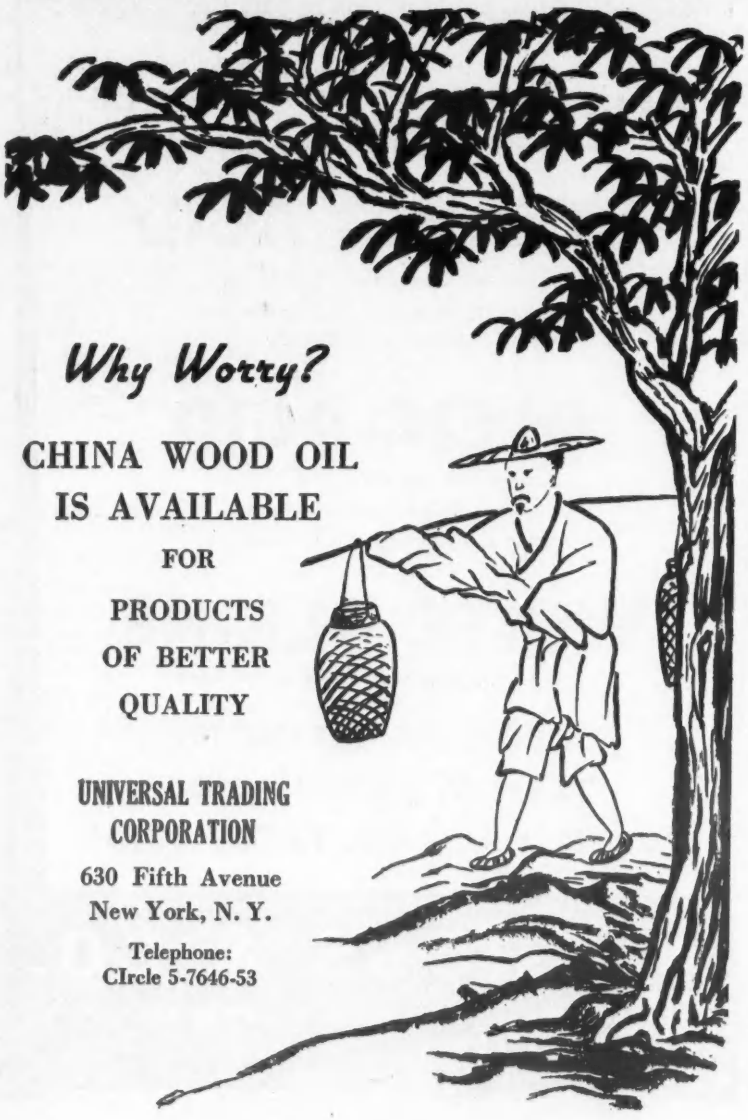

WINNIPEG, Dec. 6.—The week's closing flaxseed price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.29⅞	$1.29¼	$1.33⅜
Monday	1.28½	1.28½	1.33⅜
Tuesday	1.31¼	1.31¼	1.35⅝
Wednesday	1.30½	1.30½	1.35
Thursday	1.29⅝	1.29⅝	1.34¼
Friday	1.27⅞	1.27⅞	1.32¼

BUENOS AIRES, Dec. 6.—Flaxseed, December, 70¾c. per bushel. Exports this week, 209,000 bushels to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Last year.
United States	11,940,000	13,060,000
United Kingdom	6,065,000	2,220,000
Continent	11,856,000	23,327,000
Orders	606,000	8,137,000
Others	1,198,000	2,618,000
Totals	31,665,000	49,362,000

Visible Supply

	Bushels.
Last week	3,543,000
Previous week	3,740,000
Last year	1,378,000

Linseed Oil.—Local oil prices were generally maintained at previous levels by crushers last week in the absence of wide fluctuations in flaxseed prices or any material change in the general seed situation. No broadening of trade was reported, although occasional inquiries were noted for moderate lots. The movement to consumers on contracts was steady and liberal here, and reports from outside centers also seemed to indicate that withdrawals on contracts were holding up well and reaching an unusually large total for this period of the year. Demand for cash flaxseed in Northwestern markets was good and arrivals were well absorbed. Operations at the oil mills were maintained at capacity and the oil was being moved out promptly. Some crushers were said to be behind with deliveries on contracts, despite the large production. The exportable surplus of old crop seed remaining unsold in Argentina was put at 3,622,000 bushels, or about 2,000,000 bushels more than last year at this time. According to an official report, winter flax growing for seed, not fiber, is attracting the interest of farmers in Texas, where it can be planted in some sections about the middle of November and mature in the Spring before hot weather endangers it.

MINNEAPOLIS, Dec. 6.—A quiet tone prevails in the linseed oil market and the trade is more or less up in the air on account of the ocean freight situation between here and Argentina. If boats are available there will be plenty of flax to crush and without adequate tonnage there is apt to be a shortage of oil in this country. In spite of lower than usual prices for flax that commodity has been the best paying of any produced on the farm and producers have marketed freely and rapidly.

Quotations on carload lots, f.o.b. Minneapolis, tank, 7.9c. per pound; cooperare, 8.5c. per pound; warehouse, 8.9c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	3,000,000	2,160,000
Since Sept. 1	49,300,000	48,480,000

SAN FRANCISCO, Dec. 4.—Excepting for some new drum-lot business, actual new linseed oil movement here last week was light. Shipping instructions continue to be excellent. California seed has apparently been all crushed and some mills are running on imported flaxseed now. Quoted:—Tankcars, 8.1c. per pound; drum car lots, ex-mill, 8.7c.; drum lots, ex-warehouse, 9.1c.

Cake and Meal.—The local market had a steady tone. Domestic trade in meal was fairly active. Cake dull.

MINNEAPOLIS, Dec. 6. — Severe weather conditions caught the meal market when it was showing a slightly reactive tone and prices are holding firm. Little is for sale and demand is good for spot or deferred. Quotations on carload lots f.o.b. Minneapolis, 100 lb. sacks, about $29 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	9,080,000	5,440,000
Since Sept. 1	104,241,000	65,360,000

Cottonseed Oil

Refined cottonseed oil futures irregular within small limits. Southern markets for cottonseed products generally steady or firm.

Cottonseed Oil.—Trading in refined oil futures remained quiet last week and there was a continuation of narrow and indecisive fluctuations in prices. Deliveries on December contracts were lighter than some had expected, the tenders amounting to only 7. There was further switching from near to distant positions. December was switched to March at 15 points difference; January to July at 23 to 24 points, and March to July at 15 points. Trade interests and commission houses made purchases in a limited way on small declines. There was scattered liquidation and more or less hedge selling on upturns. The open interest in the market on November 27 was 2,690 contracts, a decrease within a week of 10 contracts.

The monthly cottonseed report from the Census Bureau is expcted the latter part of this week. In some quarters the opinion existed that the report would point to a larger disappearance of refined oil during November than in the previous month, when 315,764 barrels were consumed. In November last year only 266,183 barrels disappeared. Crude cottonseed oil ruled firm as seed prices remained high. There was a tendency in some quarters to reduce estimates of the production of cotton and cottonseed for the season as a result of recent cold weather in parts of the South where considerable cotton was still in the fields.

Demand here for cash refined cottonseed oil was reported as fairly active. Soybean oil was advanced by some sellers. On the other hand, crude coconut oil was easier with copra. Production of margarin during October, according to a report from Washington, was 30,160,000 pounds, or 6,220,000 pounds more than in the same month last year. Marketing of hogs continued large, arrivals in the principal Western centers for four days of the week aggregating 420,600 head against 348,700 head in the same time last year.

The weight of the hogs received in Chicago during the week ended November 30 averaged 227 pounds, against 221 pounds in the previous week, and 228 pounds in the same week last year. Stocks of lard in Chicago increased 3,852,806 pounds in the second half of November, making an increas of 4,204,002 pounds for the month against an increase of 5,816,200 pounds in November last year. Supplies in that market November 30 were 165,805,021 pounds against 42,808,395 pounds a year ago.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from November 30 to December 6, inclusive, consisted of 464 contracts, a total of 27,840,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	5.86	5.82	5.82@5.84
March	5.99	5.90	5.93 sale
May	6.06	5.98	6.06 sale
July	6.12	6.05	6.07@6.08
December	5.90	5.80	5.82@5.85

Crude, Southeast, .04¾c. Nom.

Chicago, Dec. 6.—The cottonseed oil market continues quiet. Refined, edible

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oil is 7½c. to 8c. per pound, drums, car lots; and 8c. to 8¼c., drums, less than car lots.

Cake and Meal.—Quotations underwent little change, the prevailing tone being reported as firm. Meal was fairly active.

Markets at Other Centers

Atlanta, Dec. 4.—Cottonseed products are steady. The seed market is tight in the Southeast, and production of oil and meal short of capacity. Quotations on 8 percent meal, $31.50 to $32 per ton at leading Southeastern mill points. Prime crude oil quoted at 4¾c. per pound in the Southeast.

Memphis, Dec. 5.—Crude cottonseed oil quiet. Last sales at 4¾c. per pound, Valley basis. Prime cottonseed meal, 41 percent, $29.50 per ton, Memphis basis. Bulk slab cake, $26.50 per ton, Valley basis. Bulk cottonseed hulls, $9 per ton. Seed, $30 per ton. Weather in this section continues fair but planters report considerable cotton damaged in fields will not be picked. Final cotton outturn expected to be under last government crop estimate. November cottonseed oil consumption report expected to be rather full, showing around 350,000 barrels. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Nov. 28.	Dec. 5.
December	$28.75@29.00	$27.75@—
January	27.75@28.10	26.90@27.25
March	27.15@27.25	25.90@26.15
May	26.75@27.00	25.50@25.90
July	26.40@26.75	25.40@25.80

Closing soybean meal futures:—December, $27 to $27.25; January, $25.50 to $26; March, $25; May, $24.60 to $25.

Fatty Acids

Capric Acid.—Fair movement to makers of chemical compounds. Market steady.

Castor Oil.—Makers of cosmetics and shampoos purchasing for immediate requirements.

Coconut Oil.—Quotations unchanged. Soap makers fair buyers.

Cottonseed Oil.—Market steady. Fair contract movement. New business is quiet.

Lauric Acid.—Inquiry for moderate lots reported somewhat better.

Linseed Oil.—Local and outside consumers purchasing fair quantities.

Myristic Acid.—Makers of soaps and cosmetics are buying on conservative scale.

Palm Oil.—Producers of soaps and textile compounds in market for fair-sized lots.

Red Oil.—New business quieter. Fair contract movement. Market steady.

Soybean Oil.—Quotations maintained. Tone firm. Trade fairly active.

Stearic Acid.—Contract movement steady. New orders lighter. Market firm.

Chicago—Dec. 6

Good demand is reported for most grades of fatty acids.

RED OIL.—Distilled or saponified, tanks, 6¼c. to 7¼c. per pound.

STEARIC ACID.—Distilled, single press, 9c. to 10c. per pound; double press, 9½c. to 10½c.; triple press, 12¼c. to 13¼c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; 8¾c. to 9c., drums, car lots; 9¼c. to 9½c., drums, less than car lots; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar, mostly nominal; 9¾c. to 10c., drums, car lots; 10¼c. to 10½c., drums, less than car lots; cottonseed oil, double distilled, 7¼c. to 7½c. per pound, tankcar; 7¾c. to 8c., drums, car lots; 8¼c. to 8½c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅝c. to 2¾c.; boiled down soap stock, 65 percent basis, 3⅝c. to to 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Cod.—Newfoundland market steady. Offerings light. Quiet here.

Menhaden.—Refined oil advanced four points. Buying limited to moderate lots.

Sardine.—Refined firmer with crude. Local prices up four points. Trade fair.

Sperm.—Quotations unchanged. Fair movement of moderate lots.

Whale.—Refined oil steady. Buying for current needs only.

Markets at Other Centers

Baltimore, Dec. 4.—Scattered sales of crude menhaden oil reported at 30c. per gallon, showing no change. Higher prices are expected in some quarters later on in company with the upward trend in other commodities. Fishing off the Carolina coast continues poor, and the production of oil cannot be expected to exceed very modest proportions.

San Francisco, Dec. 4.—Resale sardine oil sold at 41c. per gallon in tankcars. The situation in Southern California also strengthened, business being done at 42c., making a new high for this season.

Fishing vastly improved, both in the northern and southern portions of the state, with particular emphasis on the catches around San Pedro, where the fish have been showing up better than at any time this season. The weekly statistical report of the California Sardine Products Institute accounted for a total of 49,795 tons of raw fish turned in during the week ended November 29, 23,850 tons being Southern California fish, the balance being almost equally divided between San Francisco and Monterey. That week's catch brought the total seasonal catch to 231,673 tons, compared with 291,378 tons at the same period a year ago.

While November gallonage figures have not been released as yet, it was learned that as of October 31, a total of 4,124,131 gallons of oil had been manufactured in California, compared with 5,017,273 gallons year ago at that date.

Fats and Greases

Grease.—Local stocks light or moderate. Fair inquiry. Market steady.

CHICAGO, Dec. 6. — Choice white grease, 4¼c. to 4½c. per pound; yellow, 3¾c. to 4c.

Lard.—Fair domestic movement. Foreign trade quiet. Price changes moderate.

CHICAGO, Dec. 6.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Dec. 6.	Closing Nov. 29.
Cash	$4.52	$4.50	$4.52	$4.57
March	5.97	5.85	5.85	5.95
May	6.17	6.05	6.05	6.15

Stearin.—Quotations were generally steady. Inquiry light. Offerings limited.

CHICAGO, Dec. 6.—Prime oleo stearin, 5¾c. to 6c. per pound; lard stearin, 6c. to 6¼c.

Tallow.—Fewer inquiries received. Offerings generally light. Market was steady.

CHICAGO, Dec. 6.—Edible tallow, 4¾c. to 5c. per pound; prime, inedible, 4½c. to 4¾c.; special, 4⅛c. to 4¼c.

There was no trading in tallow futures (new contracts) on the New York Produce Exchange from November 30 to December 6, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	...	...	4.60@4.80
May	...	...	4.85@5.00

Animal Oils

Degras.—Quotations generally maintained. Fair local and outside demand.

Lard.—Domestic demand limited to small lots. Somewhat better export trade. Market steady.

CHICAGO, Dec. 6.—No. 1 lard oil, 7½c. to 8c. per pound.

Neatsfoot.—Consumers purchasing for current needs only. Market steady.

Oleo.—Local offerings light. Market steady. Fair request.

CHICAGO, Dec. 6.—Extra oleo oil, 7c. to 7½c. per pound.

Tallow.—Prices unchanged. Trade quiet.

CHICAGO, Dec. 6.—Acidless tallow oil, 7¼c. to 7½c. per pound.

Waxes

Bees.—Firm to strong and growing in strength. Good demand. Not too much stock. October imports of crude totaled 344,917 pounds from following sources:—

	Pounds.
Guatemala	2,995
Salvador	1,400
Cuba	60,556
Dominican Republic	44,710
Haiti	3,628
Chile	52,530
Peru	1,477
Belgian Congo	8,472
Other French Africa	44,557
Other Portuguese Africa	68,684
Brazil	55,908
Total	344,917

Candelilla.—Demand sustained well. Prices maintained steadily.

Carnauba.—Primary market turns easier. Somewhat lower prices received. Spot quotations yield ground. No. 3 chalky and No. 3 North Country, ton lots, 61c. to 62c. per pound and might be shaded; No. 1 yellow, 72c. to 73c. and might be shaded; No. 2 yellow, 71c. to 72c. Refined, 65c. to 66c. Market not so active as recently.

Japan.—Shaded to 18c. to 18½c. per pound and yielding ground under limited consuming demand.

Freeport Sulphur Names Shirley Vice-President

R. K. Shirley, who joined Freeport Sulphur Company in Texas in 1922, has been elected vice-president and

R. K. Shirley

treasurer of the company, Langbourne M. Williams, Jr., president, has announced.

A native Texan, Mr. Shirley started as chief clerk to the auditor and advanced successively to auditor, assistant general manager, assistant vice-president and comptroller, and treasurer. He was transferred to the company's New York office in 1930. He is forty-one years old.

Tung Oil, Tungsten, Tin Pay Loans to China

—Continued from page 3

ments, RFC subsidiaries are in the process of acquiring 400,000 tons of rubber at about $40 per ton; 75,000 tons of Malayan tin at about $1,000 per ton; and 1,800,000 tons of manganese, about half domestic and the rest from various foreign countries. These stocks, except tung oil, will be held as a military reserve. Mr. Jones stated that the strategic materials program is not yet completed, and future purchases will depend on national needs. He declined to say when deliveries would be completed or to give further details.

In addition to these operations by the RFC, the Procurement Division of the Treasury Department has been purchasing considerable quantities of manganese and various other items listed by the army as strategic. At the beginning of its purchase program the department advertised for bids and announced contract awards, but in recent months these purchases have been made by negotiation and contracts and deliveries are not being announced.

Tung Oil 1940 Output 5,000,000 Pounds

—Continued from page 4

proximately 75 percent of Chinese exports of this commodity, he said. Mr. Concannon's statement on tung oil follows:—

Tung oil has become an important raw material in the manufacture of many items well known in everyday life. It is used primarily in products requiring quick drying with a good finish, such as varnishes, paints and printing inks. The waterproofing and preserving properties of the oil are utilized in the manufacture of oilcloth, linoleum, electrical goods, automobile brake linings, raincoats, umbrellas and automobile top dressings. High-grade waterproof varnishes owe their special characteristics in large measure to tung oil, and it is to their tung oil base that the beautiful and durable lacquers of the Orient owe their reputation.

The importance of tung oil in the nation's industrial pattern has stimulated efforts to establish production in the southern part of the United States near the Gulf of Mexico. The American tung oil industry had its beginning in Tallahassee, Florida, in 1906, with the receipt of five tung seedlings from Dr. David Fairchild, of the Department of Agriculture, for test planting. Since that time these efforts have been expanding, as is indicated by the expected production from this year's crop of approximately 5,000,000 pounds.

Weather remains a hazard which interferes with the development of tung oil production. Damage from cold has been so severe as to destroy the entire crop at particular times. The damage arises from the destruction of blossoms, with the consequent non-production of fruit, but healthy trees in the dormant stage are not damaged by any degree of low temperature which is customarily experienced in the growing area.

Domestic oil which has come on the market up to this time has been far superior to the general run of Chinese oil, both in lightness of color and in chemical characteristics.

The future of tung oil consumption in the United States is not at the moment too clear, Mr. Concannon points out. Prices have ranged in the past 20 years from five cents to 40 cents a pound. It is generally considered, he adds, that a range from 10 to 15 cents is the most desirable, as it provides ample profit incentive to growers and keeps prices within limits entirely acceptable to consumers. When the price advances materially beyond 15 cents a pound, consumers endeavor in every way possible to reduce the use of the oil in their formulas, with the result that production of substitutes is stimulated.

The present price of approximately 25 cents a pound, which is chiefly a result of the situation in China, has been in effect for the past year, and in this time a great number of highly worthy substitutes have been evolved.

Bakelite Appoints Smith Varnish Resin Sales Head

Bakelite Corporation, unit of the Union Carbide & Carbon Corporation, has appointed Howard Smith manager

Howard Smith

of varnish-resin sales with offices at New York.

Mr. Smith has been with the company since March, 1925. He has been in charge of the Cleveland sales office since 1932.

Solvay Orders Tankcars

American Car Foundry Company has received an order from the Solvay Process Company, Syracuse, N. Y., for five 70-ton 10,000-gallon, nickel-clad, Class I.C.C. 103-W type 27 tankcars, and four 40-ton, multi-unit type 27 tank cars. Also, from its wholly-owned subsidiary, American Welding Company, an order from the same customer for twenty-seven 60,000-pound, 105-A-500 chlorine tanks, and seven hundred 1-ton chlorine containers.

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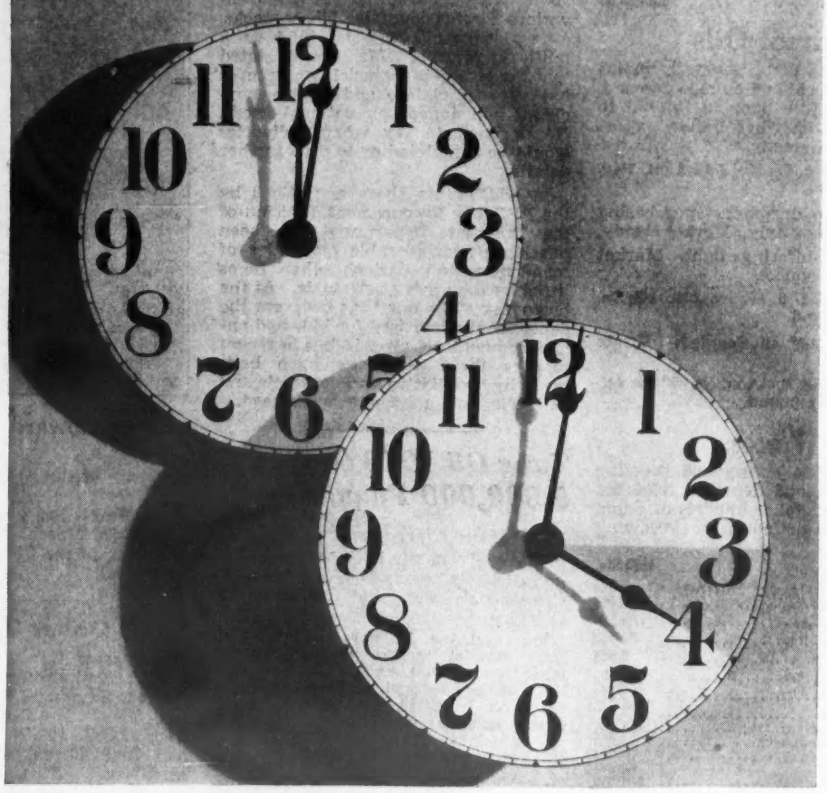

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Literature on Request

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Drugs, Fine Chemicals

Six Month Contracts on Caffeine Written at Current Schedule —Solvents Rising—Corn Syrup Higher—Atropine and Yohimbin More Expensive—Methyl Acetone Shaded

Considerable activity developed last week in the market for drugs and fine chemicals and by the close of the period numerous solvents were on a higher price basis, and others tended to move upward. Atropine and yohimbin were at higher levels caused by dwindling supplies. Six months contracts at current quotations were offered on caffeine. Emetine was lower in one direction. Corn syrup showed strength at an advance. Taken all in all, it was a week devoted to a readjustment of the general framework to cover business beginning in the coming year.

Six months contracts on caffeine at the current price schedule surprised some but was evidence of the producers' determination to eliminate speculation and to maintain prices in line solely with the cost of production. Control of quantities booked on contract was effected by restricting said quantities to the actual withdrawals of buyers working under former contracts. Only regular customers are being sold on any basis so far as producers are concerned.

The castor oil situation became confused by the increase in British shipping losses. Castor beans are brought here from Brazil in Norwegian ships under charter to the British. Withdrawal of such ships from their present run in favor of supplying the British homeland with food and munitions would put the castor oil people in a difficult position.

A twenty cent advance in cinchophen prices is coming January 1. Advanced cost of tartrates plus higher labor charges will apply the energy that will raise the entire schedule.

Acetanilide.—Excellent, seasonal demand. Commitments normal. Firm, well stabilized prices.

Acetone.—Advanced 1c. per pound, spot and forward. Tanks, 6c. per pound; drums, car lots, 7½c.; less car lots, 8c.

Acetophenetidin.—Seasonal demand maintained at satisfactory levels. Prices steady to firm. Routine firmness noted.

Acid, Acetylsalicylic.—Activity normal and at good levels. Price schedule firmly maintained. Absence of excessive competition.

Acid, Boric.—Needs over first half 1941 well protected by contract bookings. Price stabilization excellent.

Acid, Citric.—Quiet, steady, well stabilized market. Activity seasonally slow.

Acid, Tartaric.—Market for strength and probable price advance due to raw material situation. Reports of 50c. being offered on goods for export without order being accepted.

Aconitine.—Higher prices would not surprise in view of rising production cost.

Alcohol.—Firm at recent 1c. advance. Activity excellent. Production costs continue to strengthen. Demand well maintained. Tendency toward expansion.

Aloe.—Substantially firm with no tendency toward easement.

Aloin.—Advance consolidated in firm to stronger market.

Ammonia Benzoate.—New business irregular. Contract acceptance satisfactory.

Ammonia Chloride.—Movement normal. Volume good. Said to gain some.

Ammonia Citrate.—Prices and demand stable and normal.

Ammonia Phosphate.—Slow, steady consumption. Demand for prompt needs.

Ammonia Salicylate.—Jobbing demand very good. Steady undertone.

Amyl Acetate.—Prices hold steady. Sustained consumer interest.

Antipyrene.—Demand steady but not expansive. Prices firm.

Arecoline.—In moderate supply in market free of competition.

Atropine.—Alkaloid in further advance. Situation tight at $6.75 per ounce minimum. Sulphate as low as $5.45 per ounce.

Price Changes

Advanced

Acetone, 1c. per lb.
Atropine alkaloid, $1 per oz.
Butyl alcohol, normal, 1c. per lb.
Butyl acetate, normal, 1c. per lb.
Corn syrup, 42 degrees, 5c. per 100 lbs.
43 degrees, 5c. per 100 lbs.
Isopropyl acetate, ½c. per lb.
Yohimbin, 15c. per oz.

Reduced

Emetine, $2 per oz.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
203.3	203.3	203.3	194.9

Market news that may have developed after this report was sent to press will be found on page 4.

Barbital. — Conventional demand. Outlook favors price stability.

Berberine.—Lower price at $16.75 per ounce not met by all sellers.

Bismuth Metal and Salts.—Demand conventional but about normal.

Borax.—First quarter needs well covered on contract. Steady market expected. Volume satisfactory.

Bromoform. — Undertakings not large. Call very steady.

Butyl Alcohol.—Normal up 1c. to 9c. per pound, tanks.

Butyl Acetate.—Advanced 1c. to 9c. per pound, tanks.

Cadmium.—Firm. Normally active. No surplus. Little competition.

Caffeine.—Contracts being booked over January-June, 1941. Present prices extended over the six-month period. Quantities to be contracted restricted to actual withdrawals of regular consumers in past year. Only regular consumers supplied.

Calcium Bromide.—Routine but entirely normal trade. Prices steady.

Camphor.—Quiet in Japan. Steady on spot. Domestic synthetic feeling major part of home requirements.

Castor Oil.—Firm. Excellent movement dehydrated material. Other forms in conventional demand. Loss of British ships may endanger movement Brazilian beans to spot. Cost likely to rise.

CHICAGO, Dec. 4.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels less than cra lots, 10⅞c.; returnable drums, car lots, 9⅞c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Pharmaceutical Mfrs. Ass'n, Dec. 9-10, Washington, D. C.
Agricultural Commissioners Ass'n, Dec. 9-12, New Orleans, La.

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Yel. Oxide Mercury
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Mercuric Iodide Red
Mercuric Nitrate
White Precipitate
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Cinchophen.—Price rise of 20c. due January 1 next. Lowest price to be $3.50 per pound. Caused by high cost of tartrates and increase in labor rates due to shortages because of increased industrial activity in this area.

Cocoa Butter.—Strongly placed. In low supply. Future points to probable advance.

Codeine.—Completely stabilized on firm price basis.

Codliver Oil. — Imports, October, 212,737 gallons from following sources: Iceland, 163,405 gallons; Canada, 10,520 gallons. New foundland, and Labrador, 7,232 gallons; Japan, 31,580 gallons. Market firm and strong.

Collodion.—Firm to firmer and moving normally.

Corn Syrup.—Higher by 5c. per hundred pounds; 42 degree syrup, $3.47 per hundred pounds; 43 degree, $3.52.

Cream of Tartar.—Strong, sustained price position. Sellers reserved.

Creosote.—Seasonal demand sustained. Tendency to broaden noted.

Emetine.—A $2 price drop. Recent recessions in some types of raw material. Market $22 per ounce.

Methanol. — Very firm. Consumers assured ample supply at present prices over first quarter, 1941. Consumption to be excellent. Monthly statistics production of crude and synthetic methanol, almost the entire output of commodities in the United States, released by Director William L. Austin, Bureau of Census, Department of Commerce, follow:—

Production

	Gallons			
	1940		1939	
	*Synthetic.	Crude.	*Synthetic.	Crude.
Jan..	3,472,677	457,271	2,462,884	351,814
Feb..	3,782,402	446,815	2,267,339	336,157
Mar..	3,462,946	506,937	2,406,564	364,500
Apr..	3,486,233	441,888	2,276,385	389,423
May..	3,408,517	436,883	1,778,581	354,415
June.	3,426,100	425,578	2,295,288	343,992
July..	3,851,069	390,004	2,495,394	377,755
Aug..	3,787,794	407,764	2,678,983	359,594
Sept.	3,548,808	365,786	2,639,964	404,876
Oct...	4,408,026	463,165	4,158,161	463,420
T't'ls.	36,615,172	4,342,091	25,459,513	3,745,946

* The refined equivalent would be approximately 82 percent of the crude production.

Wood Carbonized

	Cords	
	1940.	1939.
January	44,323	63,353
February	44,927	31,715
March	47,781	35,301
April	44,617	36,176
May	45,667	33,857
June	42,961	35,592
July	41,634	33,353
August	43,433	34,296
September	40,504	40,557
October	48,613	44,588
Totals	444,460	361,484

Methyl Acetone. — Change in price not unlikely. Has been some price shading of official schedule natural material.

Ephedrine.—Slightly more inquiry. Competition very keen.

Epsom Salt.—Movement normal and in good volume. Prices stable.

Formaldehyde.—New orders steady and in good volume though not on contract. Prices firm.

Glycerin.—Price stability likely to continue. All consumer needs being met. Completely elimination of speculation crowns determined program of refiners. Little export call now.

CHICAGO, Dec. 4.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c. drums, car lots; 13c.; drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine.—Renewal of contracts well in hand. Price stabilization for first quarter certain.

Iodine and Iodides.—Steady call for usual quantities. Little competition. Stocks of raw material ample here. Danger of lack of shipping space from Chile offset by forehandness of importers.

Magnesia. — Trade along entirely normal lines and very steady.

Mannitol. — Meeting new calls promptly and satisfactorily.

Mercurials. — Trade in medicinal items limited to normal volume. Technical goods consumption likely to be boosted by rearmament program.

Phenobarbital. — Normal activity. Firm to steady prices.

Phenolphthalein.—Sustained call in normal volume. Firm prices.

Potash Bicarbonate.—Normally active within conservative limits.

Potash Citrate.—Consumption up to normal. Prices stabilized.

Potash Guaiacol. — More inquiry along seasonal lines. Firm.

Quicksilver.—Recently steadier to firmer market continued. Demand moderate. Stocks well engaged on Pacific Coast. Statistics issued by Bureau of Mines for October and 10 months operation follow:—

	October	10 Months
Production	3,000	29,200
Consumption	2,700	21,600
Stocks, dealers, etc.	13,000	.....
producers	13,200	.....
Exports	757	8,688
Imports	.....	*271

* Total imported in first four mos.

SAN FRANCISCO, Dec. 4.—Quicksilver unchanged. Inquiry light. Trading at $166 per flask, f.o.b. San Francisco. Further permits to export to England granted.

Quinine.—Excellent, entirely normal trading. Firm undertones. Stocks ample. Sales guarded to avoid speculative attempts of outside operators.

Resorcinol.—Absence of any notice of price change indicates steady situation.

Rochelle Salt.—No chance for easing of prices. No chance of weakening of strong position raw material. Demand normal.

Saccharin.—Normal activity noted. Steady to firm situation.

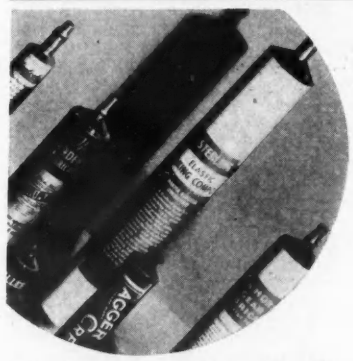
Salol.—Normal volume of sales contributing to price stability.

Seidlitz Mixture. — Excellent demand. Undertones strong. Stocks not excessive. Raw material costs high.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Nitrate.	Per ounce—Bullion— New York.	London.
	Cents.	Cents.	Pence.
Saturday	26⅞	34¾	22⅞
Monday	26⅞	34¾	22⅛
Tuesday	26⅞	34¾	22⅛
Wednesday	26⅞	34¾	22⅛
Thursday	26⅞	34¾	22⅛
Friday	26⅞	34¾	23

Soda Benzoate. — New inquiries fairly numerous. However, trade mainly along routine channels at firm prices.



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Soda Bicarbonate.—Call for U.S.P. at normal volume. Undertones firm.

Soda Cacodylate.—None offered. Last price noted $12.50 per pound.

Soda Citrate.—Trade about steady with tendency to run toward slightly lower volume. Complete price stability.

Soda Glycerophosphate.—No special feature. Just steady, run-of-pile demand at well stabilized quotations.

Soda Mandalate.—Firm undertones under sustained call.

Soda, Perborate.—Outlook good for 1941 consumption. A well stabilized market.

Strychnine.—Sustained trading not exceeding seasonal limitations.

Thymol. — Fairly good business. Some gain in competition.

United Drug Promotes Hailer

Florian J. Hailer, for a number of years active in buying and selling in the pharmaceutical division of the United Drug Company, Boston, has been made controller of purchases for the company and a member of its executive board. Mr. Hailer was located in this city when the United Drug Company had its main office here.

Stand. Brands Honors Oswald

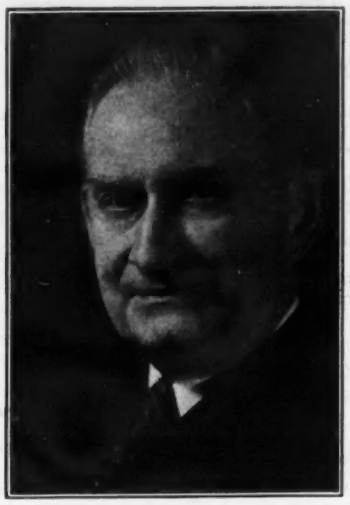
In honor of completion of forty-five years service with the company, Hugo A. Oswald, treasurer of Standard Brands, Inc., was tendered a luncheon by fellow executives at the Hotel Madison last week.

Kendall Company (Bauer & Black), Chicago, has been ordered by the Federal Trade Commission to cease and desist from representing that corns have roots and that its "Blue Jay" products will prevent the formation or recurrence of corns or calluses; constitute a new remedy for corns, calluses, or bunions; or will instantly stop the pain caused by corns or calluses.

Harry Noonan Nears Business Jubilee

In December, 1892, Harry Noonan, who had not quite reached his sixteenth birthday, entered the drug business with the Norwich Pharmacal Company. Seven years later he was made manager of the company's office in this city, and he held that position for thirteen years.

In February, 1913, Mr. Noonan organized the Drug Products Company



Harry Noonan

in this city. Late in 1920 he moved this successfully progressing business to Long Island City. It is still located there, but in other and bigger quarters.

Mr. Noonan is and has been general manager of the Drug Products Company, and is and has been a prominent figure in national affairs in pharmaceutical manufacturing. He is a former president of the American Pharmaceutical Manufacturers Association and is one of its representatives in the National Drug Trade Conference, of which he is vice-president and a member of the executive committee.

Mr. Noonan has also been active in general business circles and is a director of the Queens Borough Chamber of Commerce. He was formerly president of the Queens Borough Rotary Club. He also plays golf.

Sinclair & Valentine Company, ink manufacturer, this city, observed its fiftieth anniversary last week.

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Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Chromium
Cobalt
Copper
Iron
Monel metal
Nichrome
Nickel
Platinized asbestos
Platinum
Platinum black
Silver
Steel wool
Tin oxide
Vanadium

Petroleum

(Continued from December 2 issue)

Dewaxing Solvents for Treating Petroleum Oils

Acetone
Acetone with benzene
Acetylene tetrachloride
Alcohol
Aldehydes
Aliphatic alcohols
Amyl chloride
Anilin
Ansol
Benzaldehyde
Benzene
Bromobenzene
Butanol
Butyl formate
Butyl chloride
Carbon bisulphide
Carbon tetrachloride
Chlorex
Chlorinated solvents
Chloroform
Cresols
Dibutyl ether
Dichloroethylene
Dichloromethane
Dimethyl sulphate
Ether
Ethtyl acetate
Ethyl bromide
Ethyl chlorocarbonate
Etnylene dichloride
Ethylene oxide
Ethyleneglycol monoacetate
Furfural
Glycol diacetate
Hydrocarbons
Isopropanol
Isopropyl alcohol
Isopropyl ether
Isopropyl ether with isopropanol
Levulinic acid
Metacresol
Methanol
Methylene chloride
Methylethyl ketone
Nitrobenzene
Nitrobutanes
Nitroethane
Nitromethane
Orthocresol
Paracresol
Paraldehyde
Pentachloroethane
Pentasol
Petroleum ether
Phenol
Phenyl acetate
Phenylhydrazin
Propane
Propylene oxide
Sulphur dioxide
Sulphur dioxide in acetone
Tetrachloroethylene
Toluene
Trichloroethylene

Dispersing Agents Used in Making Emulsified Compositions of Petroleum Oils

Abietine sulphonates
Abietinesulphonic acid
Acacia
Acenaphthene
Acenaphthenedisulphonic acid
Acenaphenesulphonic acid
Acid esters of fatty alcohols
Acimul
Acorn starch
Agar
Albuminous substances
Alkali sludge sulphonates
Alkanol
Alkyl ricinoleates
Alkylanilides
Alkylated aromatic sulphonic acids
Alkylated hydroaromatic sulphonic acids
Alkylated naphthensulphonic acids
Alkylether alphathiosulphonates
Alkyletheralphathiosulphonic acids
Aluminum naphthenate
Aluminum oleate
Aluminum soaps
Amides
Aminostearin
Ammonium betatetrahydronaphthalenesulphonate
Ammonium butyrate
Ammonium cetylpalmitate
Ammonium 1:6-chloronaphthalenesulphonate
Ammonium linoleate
Ammonium myristylpalmitate
Ammonium resinate
Ammonium stearate
Ammonium tannate
Ammonium tungstate
Amylamines
Amyltetrahydronaphthalenecarboxylic acid
Amyl 4-sulphophthalate
Anthracenesulphonic acid
Arabic acid
Areskap
Aresket
Aresklene
Arrowroot starch
Arum starch
Bean starch
Meidellite
Bentonite
Beta-aminoethylphenyl ether acylated with lauric acid and sulphonated
Beta-aminoethylphenyl ether acylated with stearic acid and sulphonated
Beta-aminoethylphenyl ether condensed with lauric acid and sulphonated
Beta-aminoethyltolyl ether acylated with lauric acid and sulphonated
Beta-aminoethyltolyl ether acylated with stearic acid and sulphonated
Betamethylaminoethyl ether acylated with lauric acid and sulphonated
Borax
Buckwheat starch
Butyl acetylricinoleate
Butyl ester of acetylricinoleic acid
Butyl ester of acetylated polymerized ricinoleic acid
Butyl ester of polymerized ricinoleic acid
Butyl ester of ricinoleic acid
Butyl ricinoleate
Butyl naphthenate, normal
Butylnaphthalenesulphonic acid
Calcium cresylate
Calcium oleate
Calcium oxide
Canna starch
Carbodite
Carbohydrates
Carbosterol
Casamine
Casein
Castile soap
Castor oil, acetylated
Castor oil, acetylated, polymerized
Castor oil, sulphonated
Castor oil fatty acids
Cellulose oleate
Cellulose stearate
Ceryl waxes
Cetalco
Cetyl-1-sulphuric acid ester, normal
1:6-Chloronaphthalenesulphonic acid
4-Chlor-3-nitrobenzene 1-sulphodecylamide
Chlorotetrahydrobenzene
Cholesterin
Clay
Cobaltous oleate
Colloresin FS
Condensation products of:—
(1) Beta-aminoethylphenyl ether with lauric acid
(2) Beta-aminoethylphenyl ether with stearic acid
(3) Beta-amionethyltolyl ether with lauric acid
(4) Beta-aminoethyltolyl ether with stearic acid
(5) Betamethylaminoethylphenyl ether with lauric acid
(6) Betamethylaminoethylphenyl ether with stearic acid
(7) Fatty acid glycerides with naphthalenesulphonic acid
Cosmine
Crotonic acid isopropylbutylester
Cumenedisulphonic acid
Cumenesulphonic acid
Cyclohexylcyclohexanol sulphonate
Cyclohexylethanolamine
Dari starch
Decahydronaphthyl-2-methylcyclohexanol sulphonate
1-Decahydronaphthylmethylmethylcyclohexanol sulphonate
Decylguanidin hydrochloride
Deramin
Diamylamines
Dibutyl ricinoleicsulphonate
Dicarboxylic acid of monocyclic terpene
Dicarboxylic acid of polycyclic terpene
Diethylaminobetaoxypropylamine
Diethylbenzylethylenediamine
Diethylene oxide
Diethylene-ethylenediamine
Diethylene-ethylenediamine, asymmetrical
Diethyleneglycol distearate
Diglycol laurate

(To be continued)

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BERBERINE—Bisulphate—Hydrochloride—Sulphate
COLCHICINE U.S.P.—Colchicine Salicylate (so called)
EMETINE—Emetine Hydrochloride U.S.P.
EPHEDRINE U.S.P.—Benzoate—Hydrochloride U.S.P.—Sulphate U.S.P.
ESERINE—Salicylate U.S.P.—Sulphate U.S.P. VIII
HOMATROPINE—Homatropine Hydrobromide U.S.P.
HYDRASTINE—Hydrochloride N.F.—Sulphate
HYOSCINE—Hyoscine Hydrobromide U.S.P.
HYOSCYAMINE—Hydrobromide U.S.P. X Sulphate
LOBELINE—Lobeline Sulphate
PILOCARPINE—Hydrochloride N.F.—Nitrate U.S.P
SPARTEINE—Sparteine Sulphate N.F.
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YOHIMBINE—Yohimbine Hydrochloride

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CHRYSAROBIN U.S.P.
DIGITALIN N.N.R.—(So-called German Process)
DIGITONIN
SALICIN N.F.
SAPONIN
STROPHANTHIN (K) U.S.P.
QUASSIN

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

McK.&R. Reorganization Meets Opposition

—Continued from page 3

for liabilities arising out of the fact that their examination of McK & R accounts failed to disclose the so-called "crude drug fraud" perpetraded by F. Donald Coster. The court also authorized the trustee to accept the offer made by J. H. Ballinger and C. B. Seeley, former directors, to turn over to the trustee a total of 1,602 preference and 10,030 common shares in exchange for an agreement exempting them from prosecution for personal liability arising out of their acts as directors.

The Security and Exchange Commission on December 5 in its report of its investigation of the McKesson & Robbins fraud asserted that Price, Warehouse & Co., accountant, in its examinations of the books and accounts of McK & R had failed to exercise "that degree of vigilance, inquisitiveness and analysis of evidence available that is necessary in the professional undertaking and is recommended by all authoritative and well-known works on auditing."

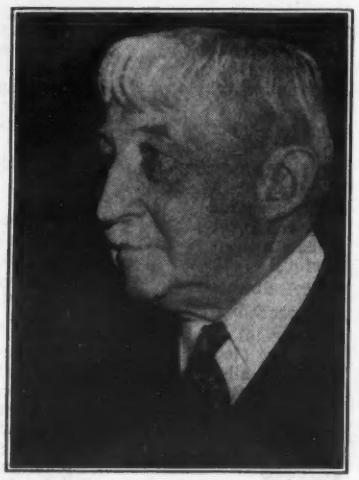
The commission declared that if the accountants had corroborated the company's records by actual observation and independent inspections of inventories and confirmation of accounts receivable, the manipulation with intent to commit fraud would have been disclosed.

Tide Water Associated Oil Company's marine department has signed a working contract with the Tide Water Tanker Men's Association, an independent union that was formed after the 1939 tanker strike in opposition to established and "affiliated" unions.

Dr. William Crocker, president of the Boyce-Thompson Institute for Plant Research, was chosen as the outstanding citizen of Yonkers at the fourth annual Gridiron Dinner of the Yonkers Inner Circle, an organization of local newspaper men.

Merck 25-Year Club Honors C.A. Darius

In celebration of his fifty years in the employ of the company, Charles A. Darius was guest of honor at a meeting last night of The Quarter Century Club of Merck & Co., at



Charles A. Darius

Essex house, Newark. Ten new members were initiated into the club, which is composed of those employees of Merck's Rahway and New York divisions who have seen twenty-five years or more of service with the company. George W. Merck, president of the company and of the club, opened the meeting as master of ceremonies.

President Merck then presented Mr. Darius with a testimonial book and gift of luggage. Mr. Darius was first employed in the company's publishing department, in 1890. He was later manager of the customs house department in charge of imports and exports, and is now a member of the new products division, in charge of patents and trademarks.

Names of the new members of The Quarter Century Club include:—Ray Anderson, Miss Ethel Person, Edward Thomas, George A. Linzer, Miss Leona Pickarski, Newton D. Bechtold, R. P. Lukens, James Kelly, George Kerper and Frank S. Rowe.

Seated at the speaker's table with President Merck were Mr. Darius and Gustave Bayer of the New York committee; Jesse H. Ambler, vice-president of the club; Henry S. Conrey, who retired from the company November 30; and James J. Kerrigan, vice-president of the company.

Palol Perfumed Products, Inc., has appointed Ritchie & Janvier, Inc., as national sales agent for its line of products.

Penick & Ford Ordered To Harmonize Prices

OPD Washington Bureau
December 4, 1940

Penick & Ford, Ltd., New York, has been ordered by the Federal Trade Commission to cease and desist from allegedly illegal discriminations in its prices of corn syrup. The commission found that there was violation of the Robinson-Patman act in the company's price schedule on a geographic basis. Prices asked in June, 1939, were found to range from $2.24 per 100 pounds in Chicago to $3.12 in San Antonio, Texas, presenting differences which the commission held could not be justified by varying cost factors.

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Botanical Drugs, Spices, and Gums

Arnica and Hungarian Chamomile Flowers Keep Rising—Acute Scarcities Turning All Imported Botanicals Toward Nominal Position — Domestic Items Hold Steady to Firm

Prices that have many elements of the fantastic continued to develop last week on certain of the more important imported botanicals. Among such items were arnica flowers, Hungarian chamomile flowers, and sage. Numerous other advances were also noted in items of relatively moderate importance in the market as a whole. Price declines came mainly in condimental materials and, for the most part, were fractional in extent. The general undertone of the market remained one of substantial strength caused by growing scarcity of practically all goods imported from the European markets.

Domestic items showed a steadiness that argued at least for maintainence of price levels as a whole. A few gave signs of unsettlement, among them being goldenseal root which has been moving downward in keeping with the fact that the export market has been cut down to very small size. But the rank and file of domestic goods were mainly firm and those of seasonal importance came in for excellent consuming request.

Balsams

Peru.—Moving steadily in moderate quantities. Prices dull.

Tolu.—Slightly easier but lacking price change. Fair call.

Barks

Cinchona.—Shipments from Guatemala, Colombia, Eucador, and Nicaragua to United States in nine months this year totaled 141,400 pounds. During same period, the Netherlands East Indies exported 3,699,700 pounds to this country, or 96 percent of the total landed from all points.

Cottonroot. — Steady demand for normal quantities. Prices steady.

Elm.—Seasonal increase in needs noted. Prices very steady.

Sassafras.—Moving well. Volume about normal. Prices firm.

White Pine. — Movement gaining moderately. Gain about seasonal.

Wild Cherry.—Firm. Moving normally. Outlook satisfactory.

Beans

Tonka. — Very firm. In good demand. Market showing new strength.

Vanilla. — Undiminished strength likely to continue. Prices strongly held and usually subject to confirmation. Stocks low and cannot be increased to normal size.

Berries

Buckthorn.—Nominal to a substantial degree. Price of 35c. to 40c per pound subject to confirmation.

Juniper.—Very little unsold stock on hand. None can be secured from abroad. Prices largely nominal. Subject to confirmation.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	762	2,851
Belladonna	105	394
Caraway	1,883	551
Cardamom (cases)	...	2,816
Celery	...	5,114
Coriander	2,880	18,712
Cumin	1,014	4,355
Digitalis leaves (cases)	1	1
Dill	86	1,339
Fennel	829	1,247
Henbane leaves (bales)	277	285
Mustard	2,800	6,073
Poppy	550	3,452
Sage leaves (bales)	...	1,307
Sesame	5,454	12,308
Stramonium	121	8,049
Thyme	597	4,070

Price Changes

Advanced

Anise, Mexican, ½c. per lb.
Arnica flowers, 25c. per lb.
Buckthorn berries, 5c. per lb.
Caraway seed, Dutch, 1c. per lb.
Chamomile flowers, Hungarian, 25c. per lb.
Lavender flowers, ordinary, 10c. per lb.
medium, 10c. per lb.
select, 10c. per lb.
Malva flowers, 5c. per lb.
Malva leaves, 10c. per lb.
Pimento, ¾c. per lb.
Sage, Dalmatian, ground, 30c. per lb.
Greek, 8c. per lb.

Reduced

Cassia, Saigon, 10-6-2, ¾c. per lb.
Celery seed, Indian, ⅜c. per lb.
Clove, Zanzibar, ½c. per lb.
Coriander seed, ⅛c. per lb.
bleached, ½c. per lb.
Cumin seed, Morocco, ½c. per lb.
Cyprus, ½c. per lb.
Dill seed, recleaned, 1¼c. per lb.
Fenugreek seed, ⅜c. per lb.
Golden seal root, whole, 10c. per lb.
powdered, 10c. per lb.
Gum mastic, 40c. per lb.
Mustard seed, Chinese yellow, ¼c. per lb.
Danish yellow, 2c. per lb.
Montana yellow, 1½c. per lb.
Poppy seed, Dutch, ½c. per lb.
Turkish, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
227.9	224.2	212.9	178.7

Market news that may have developed after this report was sent to press will be found on page 4.

Flowers

Arnica.—Nominal at $2 per pound. Practically none available.

Chamomile.—Nominal at $1.50 per pound for the few lots of Hungarian flowers available. Subject to confirmation.

Malva.—Stocks nearing exhaustion. Market around 90c. to 95c. per pound, subject to confirmation.

Mullein.—Little still unsold held at $1.75 per pound, subject to confirmation.

Saffron.—Spanish held firmly at $30 to $1 per pound. No pressing demand.

Gums

Arabic.—Strengthening. Some look for higher prices. Depends mainly on consumption of at present fair stocks. Future transport of stocks from Sudan a problem.

Camphor.—Good demand. Seasonal expansion emphasizes movement to consumers. Prices steady to firm.

Mastic.—Much easier since recent landing of 90 cases, more than six months' requirements. Supposed to be another lot of 46 cases in hands of local importer.

Sandarac.—Arrivals recently totaled 113 cases. Of this, 38 cases reported saltwater damaged, eliminating it for most uses.

Olibanum.—Very firm. Stocks con-

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

CHECK THIS LIST

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✓ CALAMUS ROOT
✓ CUDBEAR
✓ CINCHONA BARK
✓ DAMIANA Select
✓ DIGITALIS (116% Active)
✓ DOGGRASS CUT
✓ ERGOT (140% Active)
✓ EUPHORBIA PIL.
✓ FENNEL SEED
✓ GALANGAL ROOT
✓ GINGER
✓ GUAIAC GUM Glassy
✓ HAWTHORNE BERRIES
✓ HOREHOUND
✓ IPECAC ROOT
✓ IRISH MOSS
✓ KOLA NUTS
✓ MYRRH GUM
✓ OLIBANUM GUM
✓ ORANGE PEEL
✓ ORRIS ROOT
✓ PAPAIN
✓ PEPPERMINT
✓ PSYLLIUM SEED
✓ QUASSIA
✓ QUINCE SEED
✓ RHUBARB ROOT
✓ SANDALWOOD
✓ SARSAPARILLA
✓ SENEGA ROOT
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SESAME SEED HULLED
THYME LEAVES, French
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PETROLATUM U.S.P.
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ALOES, Curacao and Cape
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
CORIANDER OIL, U.S.P.
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR JAPANESE Powder, Slabs and Tablets
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HERBE MENTHE
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servative. Movement fair and likely to hold.

Herbs and Leaves

Belladonna.—Nominal around $1.85 to $2 per pound. Free from unsolicited offerings. Subject to confirmation.

Coltsfoot.—Firm at late advance. Fair activity. Not much stock,

Henbane.—Purely nominal at $1.75 per pound. No unsolicited offerings. High price diminishes demand.

Horehound.—More active under seasonal needs. Price tendency up.

Sage.—Goods from Greece may be passed through blockade at Gilbralter. Price likely to remain high.

Miscellaneous

Colocynth Pulp.—Quiet but very steady.

Ergot.—Reasonable but not expanded demand. Price steady.

Irish Moss.—Strong at recent advance. Replacement of stocks increasingly difficult.

Lycopodium.—Hard to quote reasonably active price. Small lots sell cheaper than larger quantities. Firm order in hand needed to establish actual market. Not much unsold stock here.

Manna.—Small stocks of small flake held at nominal price of $1.80 per pound. Large, nominal around $2. All prices subject to confirmation.

Roots

Belladonna.—Purely nominal position. Little unsold.

Golden Seal. — Lower at $2.65 to $2.70 per pound for whole. Reasonable bid likely to be accepted. Lack of sustained export market weakens price structure.

Ipecac.—No further price drop but still on easier side.

Orris. — Some still available but firm order in hand required to develop actual price. Virtually nominal locally.

Rhubarb. — Still tending toward more competitive position. No further drop in open market. Limited demand.

Seeds

Anise.—Mexican higher at 17c. to 17½c. per pound.

Caraway.—Almost extinct on spot. Price nominal at 45c. to 46c. per pound.

Celery. — Indian seed shaded to 22¼c. to 22¾c. per pound.

Colchicum.—Nominal at $2.50 per pound.

Coriander.—Shaded to 7⅜c. to 7¾c. per pound. Bleached, 8½c. to 9c.

Cumin.—Morocco cheaper at 20c. to 20½c. per pound. Cyprus, 20c. to 20½c.

Dill.—Lower at 11½c. to 12c. per pound.

Fenugreek. — Reduced to 5⅛c. to 5½c. per pound.

Mustard.—Some lowering of prices. Chinese yellow, 9½c. to 10c. per pound. Danish yellow, 23c. to 24c. Montana, yellow, 13½c. to 14c.

Poppy. — Prices broke sharply to 30½c. to 31c. per pound for Dutch; Turkish, 26½c. to 27c.

Spices

Cassia.—No change save in Saigon 10-6-2's which went down to 19½c. to 20c. per pound.

Clove.—Zanzibar off to 15½c. to 16c. per pound but still fundamentally firm.

Nutmegs. — West Indian's 9¼c. to 9¾c. per pound, a shade lower.

Paprika. — Spanish range widened to 38c. to 42c. per pound.

Peppers. — Firm and active along conventional lines.

Trading in black pepper futures on the New York Produce Exchange from November 30 to December 6, inclusive, comprised 142 contracts, a total of 4,771,200 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	4.12	3.95	4.07 sale
March	4.19	3.99	4.12@4.14
May	4.27	4.10	4.19@4.22
July	4.36	4.14	4.27@4.30
September	4.43	4.18	4.35 sale
October	4.43	4.27	4.27@4.40
November	4.45	4.45	4.40@4.44
December	4.04	3.86	4.00@4.03

Pimento. — Advanced further on spot. Sold at 19¾c. to 20¼c. per pound. Primary market showing continued strength.

Proprietary Association Science Section Meets

—Continued from page 5

cute a commercial organization for an alleged offense after the commercial organization had been absolved of the same offense by a court ruling resulting from an action brought by another governmental bureau.

In other papers presented during the sessions, J. E. Harrisson, of LaWall and Harrisson, discussed phenol coefficient determinations; Dr. E. G. Klarmann, of the Lehn & Fink Products Company, declared that soaps could not be considered germicidal; Dr. H. D. Pease, described some toxic effects of medicinals on animals; and Dr. E. C. Merrill, of the United Drug Company, talked on "gadgets."

Dr. George F. Reddish, of the Lambert Pharmacal Company, chairman of the section, presided over the meeting.

Reichard-Coulston, Inc., dry colors, this city; has opened a Chicago sales office at 1530 South Halsted street, under the management of William A. Pendrell.

Roumanian Oil Pipe Lines Seized by Government

The Roumanian government has seized all pipe lines and accessories belonging to every oil company in the country, including American concerns, and announced that the property would be paid for with 3 percent bonds maturing in twenty-five years.

The government's justification for seizing oil pipe lines, pumping stations and other equipment was believed the claim that there was too much duplication of these facilities, resulting in extravagant operation, and that small companies were paying too much for the use of pipe lines owned by large concerns.

A spokesman for the Standard Oil Company of New Jersey said late in the week that no official information had been received on the seizure. Romano-Americano, Standard subsidiary, owns 27,000 acres of oil lands, a refinery with a daily capacity of 17,000 barrels and pipe lines in Roumania.

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Essential Oils, Aromatic Chemicals

Apricot Kernel Up on High Cost Raw Material—Bois de Rose Improves—Lime Showing Strength—Anise Easier and Lower—Wormseed Competitive

Basic conditions in the market for essential oils and aromatic chemicals changed very little during the past week. Market influences were still those that have been productive of steady price advances and equally steady reduction in local reserves, especially of imported items.

Demand was well maintained. In the absence of normal stocks, the market was free from the more aggressive type of price competition. In fact, the market was more favorable for sellers than buyers and the trend of values was definitely upward.

A slightly easier position on anise was an exception to the general rule when competition gained locally. Lack of normal export markets turned wormseed still lower and easier. Against these price recessions was the higher market on apricot kernel oil. War-born conditions have checked normal imports of raw material and the home producers have to depend mainly on the not too large supply from domestic sources.

Bois de rose reflected stronger primary market position. Java citronella continued its recent improvement. Lime gained some and seemed to have achieved a considerably stronger position.

Peppermint and spearmint remained firm. Eucalyptus needs were being met without the market achieving a surplus of stocks. Tansy was fairly easy in view of prevailing supplies. Wormwood was dull and relatively easy.

Price Changes

Advanced

Apricot kernel, 10c. per lb.
Bois de rose, 25c. per lb.
Citronella, Java, 1c. per lb.
Lime, distilled, 25c. per lb.
expressed, 25c. per lb.
Rosemary, Spanish, 10c. per lb.

Reduced

Anise, 10c. per lb.
Wormseed, 30c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
161.5	162.3	154.1	91.7

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Anise. — Easier as deliveries improve. Market 90c. to $1 per pound.

Apricot.—Dependence on domestic raw material raised production cost. Oil now at 40c. to 42c. per pound with rising tendency.

Bay.—Steady demand at firm prices. Some trend toward strengthening.

Bergamot.—Routine movement for synthetic. Very little natural oil still unsold.

Birchtar.—Firm to strong due to low supply.

Bois de Rose.—Higher at $1.95 to $3 per pound on broader call.

Cajeput.—Firm and tending higher.

Camphor.—Firm and in good request. Some hold small stocks.

Cananga.—Firm at late advanced. Likely to rise further due to rising trend of replacements and shrinkage of spot stocks.

Capsicum (Oleoresin).—Very firm. In normal call and moderate supply.

Caraway.—Nominally, $6 per pound, quoted without general offer and subject to confirmation.

Cardamom.—Low stocks. Prices almost nominal.

Cassia.—Steady to firm. In well sustained demand.

Cedarleaf.—Steady to firm. Call routine. Fair reserves.

Cedarwood. — Moderate interest. Steady prices. In good reserve.

Celery.—Stocks reducing steadily. Price tendency still up.

Citronella.—Java sold at 37c. to 39c. per pound in firm market. Ceylon oil very steady.

Clove.—Firm and well maintained. Undertones strengthening.

Coriander.—Purely a sellers' market. Prices subject to confirmation. Even moderate demand likely to advance prices more.

Croton.—Steady to firm. Moderate reserves. Limited interest.

Cubeb.—More interest firming prices to point of possible rise.

Cumin.—In very low supply. Limited call.

Cypress.—Also poorly stocked on spot. Tendancy upward.

Erigeron.—Steadier. Not much call. Fair supply.

Eucalyptus.—Needs cared for fairly well.

Geranium.—Nominal market. Hard to get anything. Holders could set own price. Virtually no competition.

Grapefruit. — Firm. Outlook for supplies favorable.

Grapeseed.—Imported available far under domestic item. Spread of 30c. noted. Interest now widespread.

Ginger.—Firm, reflecting raw material price stability.

Juniper.—Practically out of supply. As high as $9 per pound suggested, if available.

Juniper Tar.—Firm due to difficulty of getting more from Spain due to war conditions.

Lemon.—Movement normal for season. Excellent results from domestic producers' determined work to offset loss of Italian exports to this country.

Lime.—Higher. Distilled, $4.75 to $5 per pound. Expressed, $7.75 to $8. Firm on basis of prevailing replacement cost.

Lemongrass.—Steady, spot and source. Fair demand maintained.

Orange.—Domestic oil finding increasing use among home consumers. Prices comparatively attractive. Also, quite stable.

Rosemary.—Spanish higher due to replacement difficulties. Drums, 63c. to 64c. per pound; cans, 71c. to 73c.

Wormseed.—Absence of sustaining demand brings price concession to $3.25 to $3.35 per pound.

Aromatic Chemicals

Acetaldehyde.—Slightly more activity but no price change.

Acetophenone. — Demand jobbing. All needs met.

Amyl Phenylacetate.—Improved demand maintained. Firm prices.

Amyl Salicylate.—Some improvement in call. Prices steady.

Anethol.—Steady. All orders filled promptly. Firm prices.

Anisic Aldehyde.—Slightly less interest. No easing of prices.

Benzaldehyde.—Slightly more business. Very firm situation.

Benzophenone.—Demand hand-to-mouth but very steady.

Benzyl Acetate.—Steady prices and firm undertones.

Benzyl Benzoate. — Consumption about normal. Steady undertones.

Benzyl Cinnamate.—Slightly more active. Orders gain some in size.

Benzyl Formate.—Buyers' needs conservative. Volume off slightly.

Benzyl Isoeugenol.—Slow but steady market.

Benzyl Propionate.—Volume about normal. Firm situation.

Benzyl Salicylate.—More inquiry and some gain in sales.

Benzylidenacetone. — Demand lags moderately. No price easing.

Bornyl Acetate.—Strictly jobbing market at steady prices.

Bromstyrol.—Call fairly active but not expansive.

Carvol.—Firm to stronger. Reasonable good call.

Cinnamic Aldehyde. — Definitely firmer. Activity maintained.

Linalool. — Undertones strengthening. Price tendency upward.

Linalyl Acetate.—Very active and gaining strength steadily.

Menthol.—Domestic synthetic moving well. Foreign goods about steady in dull, routine market.

Menthyl Salicylate. — Demand at low, seasonal ebb.

Methyl Acetophenone.—Very firm. Tendency toward price rise.

Methyl Anthranilate. — Strengthening and firming of price position.

Methyl Benzoate.—Good, steady call. Full prices maintained.

Methylhexyl Ketone.—Demand conventional. Undertones quiet.

Methyl Salicylate. — Prices hold.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Essential Oil Ass'n, Jan. 9, New York.

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Well stabilized market. Sustained call.

Musk.—Domestic production of synthetic standing up well under steady consumption at normal rate.

Nerolin. — Slow, uneven movement. No distress in prices.

Novoviol.—All varieties very firm. Demand excellent and at normal levels. Undertones tend to strengthen.

Paracresyl Acetate.—Firm. Steady withdrawals from stocks.

Pelargol. — Normal interest at firm prices.

Phenyl Acetaldehyde. — Inquiry up. Sales steady. Prices firm.

Phenylacetic Acid.—Slower flow of business. Prices still hold.

Phenylethyl Acetate.—Normal activity. Steady prices and undertone.

Phenylethyl Alcohol. — Demand irregular. Volume fair. Prices firm.

Phenylethyl Butyrate.—Sellers' reserves moderate. No pressing call.

Phenylethyl Propionate.—Sustained interest of jobbing size.

Phenylpropyl Alcohol.—Jobbing demand maintained. Quotations firm.

Phenylpropyl Aldehyde. — Sales upped moderately. Firmer price position.

Rhodinol. — Strong prices. Fair activity. Moderate supply.

Stroiyl Acetate. — Irregular call in jobbing proportions.

Terpineol.—Very firm. More activity foreseen.

Terpinyl Acetate.—Stocks in moderate reserve. Needs being met.

Thymol.—Fairly steady, but tending in buyers' favor. Competition noted.

Vanillin.—Excellent movement. Well stabilized price schedule.

Dr. Ernest Guenther Back

Dr. Ernest Guenther, chief research chemist for Fritzsche Brothers, essential oils and aromatics, this city, has returned to the city after several weeks devoted to completing field investigations concerning production of essential oils in the United States. This activity took the place of his customary trip to France to supervise production at the company's plant at Seillans (Var). Oils subjected to Dr. Guenther's study included peppermint, spearmint, wormwood, tansy, erigeron, sassafras, cedarwood, sweet birch, wintergreen and dill.

N.A.I.D.M. Told Soaps Are Not Germicidal

—Continued from page 30D

which would conform to Federal laws and also be legal in North Dakota, Mr. Fuller said that he endeavored to ascertain just what the various State acts cover. It appears, he said, that insecticides such as fly powders, roach powders and liquid fly sprays intended for household use are subject only to the State insecticide and fungicide law, the provisions of which are practically identical with those of the Federal act.

Disinfectants for use solely on inanimate things, such as stalls, pens, cattle cars and the like, are also subject to the insecticide and fungicide law, he added. And if they are recommended only for washing wounds and sores, they are subject only to that law, and do not come within the provisions of the livestock medicine law. Sprays for trees and garden use are not subject to the latter, either, Mr. Fuller added. The livestock act, Mr. Fuller explained, does apply to dips and spray used on cattle, sheep and swine for the removal for the tick and lice and the flea powders that are used for dogs and cats. At the present time, however, he added, the ruling of the law does not apply to canaries and other caged birds, but there is no assurance that this will continue, because the question has not been definitely settled.

"Recent Change in the Organization of the Department of Agriculture as It May Affect the Enforcement of the Insecticide Act of 1910" was the subject of an address by the Dr. C. C. McDonnell, chief of the insecticide division. He said that while the transfering of the insecticide act enforcement work to the Agricultural Marketing Service involved some changes in the set-up, particularly in the business administration and some rearrangements in the inspection service —the technical staff is practically the same as formerly. In answer to a question from the floor of the convention Dr. McDonnell stated that the caustic poisons act enforcement will remain under the jurisdiction of the Food and Drug Administration.

Scientific Activities

Dr. Emil Klarmann, of Lehn & Fink Products Corporation, as chairman of the disinfectant scientific committee, told of the advances in disinfectant and antiseptics during 1940. Among the developments discussed were in the field of phenolic products, organic mercury compounds, and in arylsonamides, in dyes and miscellaneous antibacterial agents.

A method for the quantitative determination of pyrethrins, based on their cleavage on hydrogenation, was presented in a paper prepared by F. B. LaForge and Frederick Acree, jr., of the Bureau of Entomology and Plant Quarantine. The method is based on the finding that acyl pyrethrolones undergo cleavage on hydrogenation to form acetic acid and hydropyrethrolones. This cleavage also appeared to be quantitative.

The procedure described involves hydrogenation of the sample in acetone-ethanol solution; precipitation of the higher fatty acids with aqueous barium hydroxide; and filtration, acidification, and steam distillation. Thus the volatile dihydrochrysanthemum monocarboxylic acid is separated from the relatively nonvolatile chrysanthemum dicarboxylic acid monoethylester, which is insoluble in water, and soluble in ether and other organic solvents.

Floor Wax Definition

Under a proposed definition for water emulsion floor waxes recommended at the meeting, it was suggested that such products be divided into two classes, but only one grade, according to solid content. Classified as "regular" would be compositions containing not less than ten percent of nonvolatile solids; classified as "concentrated" would be compositions containing not less than seventeen percent of nonvolatile solids.

It was also recommended that such products be defined as stable aqueous colloidal emulsions of wax, or waxes and resins, free from sediment, free-flowing and easy to apply and shall dry to a lustrous finish without rubbing, buffing or polishing. It shall be suitable for application to all sealed floors and floor coverings in general. It shall dry in less than thirty minutes under normal applications, temperature and humidity.

It shall be nontoxic, noninflammable and free from excessive slipperiness, and shall adhere firmly to the floor surfaces without checking, cracking, or peeling. The coat shall be uniform and free from streaks and other surface irregularities. The softening point of the solidified solids shall not be less than 80 deg. C., and the ratio of wax to resin shall not be less than one to one.

F. W. Fletcher, of the Dow Chemical Company, told of the activities of the committee studying mothproofing problems. He said that exceptional progress has been made through joining with the research committee of the American Association of Textile Colorists and Chemists, which group has been studying the mothproofing problems for several years. He said that the committee would have something definite to report during 1941.

Consumer's Viewpoint

H. H. Linn, superintendent of buildings and grounds at Columbia University, discussed "The Sanitary Supply Industry from the Viewpoint of the Consumer." Mr. Linn suggested the following for improve conditions in the industry:—

Limit your advertising claims and statements to acceptable truths.

Develop a breed of intelligent, informed, and truthful salesmen.

Sell us more of your materials under proper technical names and restrict the trade brand hocus-pocus.

Label your products so that consumers can know what they might expect to receive—and then deliver the right goods.

Try to drive the shyster element out of your industry.

Help to educate the consumer by presenting factual information he needs to know. If he happens to select your pet trade brand products, let this be incidental.

Market your products at a fair price level—fair to us and fair to you. Let us be your customers, not your victims.

Continue your research and progressive development of new and more effective products.

Be more social minded, and less profit minded.

FRITZSCHE BROTHERS, INC. • DODGE & OLCOTT COMPANY
76 Ninth Avenue, New York, N. Y. 180 Varick Street, New York, N. Y.

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Producing Plant: The Exchange Orange Products Company, Ontario, California

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Petroleum Solvents, Lubricants, Fuels

Heavy Demand for Aromatic Naphthas Features Market—Crude Scale Paraffin Easing—Fuel and Furnace Oils Advanced — One Buyer Reduces Southwest Texas Crude

Certain items in the solvents and diluents division of the refined petroleum market featured the trade last week, when consumers began to buy heavily. This was especially true of aromatic naphthas, which were attracting particular attention. Rubber solvent and paint materials were also moving well. Paraffin was showing signs of easing but no prices were changed. Petrolatums and white fuel oils were weak.

One company reduced the posted price of crude oil in ten Southwest Texas fields but it was doubted if others would follow suit. Firming in fuels and heating oils featured the Midcontinent markets. Several advances were made. Lubricants as a rule were steady and attracting small interest.

Quotations on clean tanker rates are now nearly double what they were a few months ago. Recent mark-up were due to non-availability of clean tankers from the Gulf to North Atlantic ports. This was also one of the reasons for the strength shown by gasoline and various other oils in Eastern markets.

Solvents and Diluents

Aromatic Naphthas. — Movement continued at high levels and all shipments were in large-sized lots. Demand in many cases exceeded offerings. Prices were firm and unchanged.

Cleaners' Naphtha.—Better than normal market continued. Prices were steady.

Lacquer Diluent. — Deliveries were somewhat smaller during the period under review. There was still a fairly good demand. Price was steady.

Petroleum Thinners.—Orders placed by paint manufacturers were heavy for this time of year. A slight decline was felt, but trade on the whole was very satisfactory. Prices were firm and unchanged.

Rubber Solvent.—Tire makers remained good buyers. Shipments were steady. Price firm.

Stoddard Solvent.—Less interest was manifested in offerings. Price steady.

V.M.&P. Naphtha. — Deliveries to the paint trade were well maintained. Inquiries were off. Price firm and unrevised.

Markets at Other Centers

Chicago—Dec. 5

Despite some continued price cutting in some cases, the price structure is fairly stable. Movement is good to most consuming lines, although some caution over inventory considerations is beginning to develop.

AROMATIC NAPHTHAS.—Demand fair. Prices unchanged.

CLEANERS' NAPHTHA. — Moderate buying, no change in quotations.

LACQUER DILUENT. — New buying quiet. Market steady.

PETROLEUM THINNERS.—Paint industry interest good. Prices steady.

RUBBER SOLVENT.—Fair buying by tire interest, quotations steady.

STODDARD SOLVENT. — Movement fair. Prices holding.

V. M. & P. NAPHTHA.—Trade holding up, market firm.

New Orleans—Dec. 5

A normal demand continued in the market on cleaning solvent and V. M. P. naphtha, with prices remaining unchanged.

CLEANING SOLVENT.—Demand slow; price steady.

V. M. P. NAPHTHA.—Normal demand; prices unchanged.

Tulsa—Dec. 5

Wider participation in the markets for specialties by paint manufacturers and tire makers was quite prominent this week. More orders were placed and shipments were larger.

CLEANERS' NAPHTHA.—More active. Prices steady.

STODDARD SOLVENT.—Trading quiet. Prices firm.

LACQUER DILUENT.—Quite active. Quotations firm.

V. M. & P. NAPHTHA.—More activity. Undertone strong.

Price Changes

Advanced

Kerosene, w.w., ½c. per gal., group 3 refineries.
Oil, distillates, ½c. per gal., group 3 refineries.
fuel, residual, 5c. per bbl., group 3 refineries.
furnace, ½c. per gal., group 3 refineries.

Reduced

Petroleum, crude, at well, 20c. per bbl., Southwest Tex.

Market news that may have developed after this report was sent to press will be found on page 4.

Lighter Fractions

Butane.—Heavy call for stocks continued. Shipments were far above normal for this time of year. Price was firm and unchanged.

Heptane.—Movement was less routine during the previous week. The market was still characterized as quiet, however. Price steady.

Hexane.—No new developments appeared. Demand was fair and price firm.

Octanes.—Routine movement and steady price.

Pentanes.—Slightly more interest. Price firm.

Propane.—Similar to butane, there was a heavy call for deliveries. New business was well maintained. Price was firm and unrevised.

Markets at Other Centers

Chicago—Dec. 5

Considerable interest is shown in various sections of these products, with buyers willing to keep their year-end takings at fair levels despite inventory considerations. Inquiry has been continuing quite active.

BUTANE. — Demand slightly better. Prices unchanged.

HEPTANE.—Call fair. Quotations steady.

HEXANE.—Interest fair, market holding.

OCTANES.—Moderate movement, no change in price.

PENTANES.—Inquiry up, prices firm.

PROPANE.—Market fairly active, price stable.

Petrolatums and Waxes

Paraffin.—Crude scale material was attracting less interest during the period under review. The price was tending to ease but most prominent refiners maintained previous quotations.

Petrolatums.—Demand was sluggish. Prices were unchanged to weak.

White Mineral Oils.—Offerings were attracting little attention during week. Consumers were apparently well stocked. Prices were unchanged but were showing signs of easing.

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Nov. 30	1939 Jan. 1-Nov. 30
Commercial crude oil production	1,187,261,383	1,111,704,081
	Week ended Nov. 30, 1940	Week ended Dec. 1, 1939
Daily average production	3,330,388	3,802,919
Bureau of Mines estimate	3,570,000	3,620,000
	Week ended Nov. 30, 1940	Week ended Nov. 23, 1940
Estimated motor fuel stocks	80,284,000	80,100,000
Estimated finished motor fuel stocks	74,161,000	73,853,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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★ Always Odorless, Tasteless!
Penn Drake PETROLATUM
REFINED BY THE FAMOUS
KARNSITE PROCESS
RESISTS HEAT, LIGHT, OXIDATION
★ ANY COLOR ★ BLENDS WELL
PENNSYLVANIA REFINING CO.
BUTLER, PA.
REPRESENTATIVES AND STOCKS IN PRINCIPAL CITIES
MAKERS OF FINE WHITE OILS AND PETROLEUM SULPHONATES

Quality White Oils
ATLANTIC
Atreols and Ultrols
THE ATLANTIC REFINING COMPANY
Technical Sales Division
PHILADELPHIA, PENNA.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

WHITE OILS
GUARANTEED QUALITY
To meet all the special requirements for Pharmaceutical, Cosmetic and Industrial Purposes.
ALL GRADES
REFINERS OF WHITE OILS AND PETROLATUMS
SHERWOOD Petroleum Company Inc.
REFINERY, WARREN, PA. MAIN OFFICE, ENGLEWOOD, N. J.

Neutroleum
ALPHA
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For complete neutralization of offensive odors, this aromatic concentrate has proved its effectiveness in hundreds of widely-dissimilar, technical products. Its use means new appeal for the odor-handicapped product — and at negligible cost. Results instantaneous. Investigate.
FRITZSCHE BROTHERS, Inc.
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BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

The State of the Petroleum Market

The reduction in Southwest Texas crude oil did not affect these figures.

	Dec. 6	Nov. 29	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.143	$1.143	$1.1845
Gasoline prices at refineries (at four refining centers) per gallon.....	.0517020	.0517020	.0535775

Markets at Other Centers

Chicago—Dec. 5

Demand is rather good for most products in this division. Paraffin is a little more active. Petrolatum is just about holding its own. White mineral oil business has been moderate for some time.

PARAFFIN.—Movement fair, with prices holding.

PETROLATUMS.—Dull market. Prices quiet.

WHITE MINERAL OILS.—Demand moderate, with postings unchanged.

Tulsa—Dec. 5

Inquiries have developed for next year's delivery of crude paraffin but very little spot business materialized. Quotations were unchanged and steady. The 124-126 crude is quoted at 2½c. to 3c. per pound.

Fuels and Lubricants

Gasoline.—Consumption better than normal. Tankcar prices steady.

Kerosene.—Demand heavy. Prices firm.

Fuel and Gas Oils.—Bunker C fuel oil market tighter. Light fuel oil prices firmly maintained. Heavy future buying of heating oils reported. Prices steady.

Lubricating Oils.—Demand small. Prices firm and unchanged for Pennsylvania neutrals and bright stocks.

Crude Oil Price Changes

Republic Oil & Refining Company reduced prices 20c. per barrel in ten Southwest Texas fields. No other buyers followed the move.

Markets at Other Centers

Chicago—Dec. 5

Extremely heavy demand for heating oils is reported, with prices tending to firm. Offerings are limited. Gasoline is steadying contra-seasonally. Heavy industrial fuels are subject to additional orders. Lubricants are quite and dull.

GASOLINE.—Market firmer, prices spottily better.

FUEL AND GAS OIL.—Buying heavy, prices firming.

FURNACE OIL.—Better movement, market stiffening.

LUBRICATING OILS.—Market quiet, prices fairly firm.

New Orleans—Dec. 5

Continued quiet was reflected in the gasoline market during the week. There was no change in the demand for kerosene, market conditions continuing steady. A normal demand was experienced in bunker C fuel oil.

GASOLINE.—Demand routine; no price change.

KEROSENE.—Market slow; unchanged price.

BUNKER C FUEL OIL.—Market normal; prices stable.

Tulsa—Dec. 5

There is anxious bidding for all classes of heavy fuels. Demand for gasoline is greater and price situation is firmer. Advances of ½c. per gallon are reported by some refiners of the light fuels, although the advance has not yet become general. Heavy fuel oils are 5c. to 10c. per barrel higher.

GASOLINE.—Movement large. Prices firmer.

NATURAL GASOLINE.—Broader movement. Quotations steady.

KEROSENE.—Advanced ½c. per gallon.

DISTILLATES.—Advanced ½c. per gallon. Demand heavy.

FUEL AND GAS OILS.—Large movement. Residuals advanced ½c. per gallon.

LUBRICANTS.—More interest. Quotations steady.

Procter & Gamble, Cincinnati, directorate has voted to pay a bonus equal to 3 percent in cash of the net annual wages or salaries of all regular employees who were in the employ of the company prior to July 1 and whose annual wages do not exceed $3,000.

Inorganic Chemicals Data Issued by Census Bureau

—*Continued from page* 31

Production by Kind, Quantity, and Value:—1939 and 1937

	1939.	1937.
Zinc:—Establishments	11	10
Pounds	28 821,165	37,530,157
Value	$704,235	$1,143,284
Iron (copperas):—Establishments	17	20
Tons	35,214	43,916
Value	$442,573	$447,409
Sodium, total value	$4,128,597	[7]$3,692,162
Anhydrous (refined)[10]:—Establishments	7	7
Tons	42,498	21,797
Value	$689,590	$312,285
Glauber's salt[11]:—Establishments	17	15
Tons	34,493	31,934
Value	$539,770	$490,660
Niter cake:—Establishments	13	13
Tons	34,101	22,983
Value	$607,284	$521,601
Salt cake (crude)[12]:—Establishments	30	27
Tons	224,749	241,347
Value	$2,291,944	$2,367,616
Nickel:—Establishments	5	
Pounds	7,046,561	[7]$8,817,274
Value	$774,808	
Other sulphates, value[13]	[1]$6,228,166	
Soda hyposulphite (thiosulphate):—Establishments	8	9
Tons	25,714	33,093
Value	$1,142,087	$1,411,764
Stearates, total value	$1,407,258	$1,773,468
Aluminum:—Establishments	10	11
Tons	1,806	2,258
Value	$601,701	$856,771
Calcium:—Establishments	7	8
Pounds	768,594	980,101
Value	$154,406	$191,839
Zinc:—Establishments	9	10
Pounds	2,035,960	2,073,110
Value	$431,220	$421,463
Magnesium:—Establishments	7	6
Pounds	104,689	111,734
Value	$23,199	$24,623
Other stearates, value	$196,726	$278,772

[1] Includes, in order of value, statistics for iron-ammonium oxalates, ethyl oxalate, sodium oxalate, etc.

[2] Included in the "Compressed Liquefied Gases" industry in 1937.

[3] Includes, in order of value, statistics for methyl salicylate, bismuth subsalicylate, strontium salicylate, etc.

[4] Includes, in order of value, statistics for sodium peroxide, barium peroxide, etc.

[5] Includes, in order of value, statistics for Rochelle salts, tartar emetic, etc.

[6] Data for sodium nitrate withheld to avoid disclosing an approximation of the output of a single establishment. Value will be included in a later report for "Other Inorganic Chemicals."

[7] Revised.

[8] Includes, in order of value, statistics for silver nitrate, lead nitrate, potassium nitrate, etc.

[9] Revised to exclude barium sulphate (blanc fixe) which is now included in the "Colors and Pigments" industry and sodium hyposulphite (thiosulphate) now reported as a separate item in this release.

[10] Includes statistics for anhydrous sodium sulphate made from brine.

[11] Includes statistics for Glauber's salt refined from natural product.

[12] Includes statistics for natural salt cake made from brines.

[13] Data for satin white included for 1937, excluded for 1939.

[14] Includes, in order of value, statistics for copper sulphate (blue vitriol), ammonium sulphate, soda-alum, etc.

Nitrogen Fertilizer Cos. Indicted by U.S. as Trust

—*Continued from page* 3

J. McClellan, and Fred A. Wardenburg.

Rudolph Ilgner (separately accused of destroying relevant data of the Chemnyco Company, not a defendant, during the investigation).

Imperial Chemical Industries, Ltd., and Richard Ford and Michael G. Tate.

Lautaro Nitrate Company and James F. Doetch and Medley G. B. Whelpley.

Semet-Solvay Company and Leigh Willard.

Solvay Process Company.

Synthetic Nitrogen Products Corporation and A. L. Mulaly, C. B. Peters, William P. Pickhardt, F. P. Scar, C. Schreiber, and Miguel Tegtmeyer.

Allied Denies Charges

The Allied Chemical & Dye Corporation and its subsidiaries, the Barrett Company, the Semet-Solvay Company, and the Solvay Process Company, issued a statement December 4, denying the charges against them contained in the indictments concerning the marketing of nitrogen fertilizer materials.

The parent company stated that its operating organization first entered this field of production on a large scale in 1928 with construction of the Solvay Process Company's plant at Hopewell, Va., for manufacture of synthetic nitrate of soda and related products from the nitrogen of the air, the first such commercial operation here or elsewhere. Until then, it pointed out, this country had been wholly dependent on imports of natural nitrate from the mines of Chile to supply the vital domestic needs of this important product both as a fertilizer and as a source of nitrogen for the manufacture of explosives in wartime.

In the last ten years competition in nitrate of soda in this country, the largest market in the world and without tariff protection of any kind, has been intense, the Allied company's statement said. When construction of the Hopewell plant commenced the market price was $50 per ton in bulk at United States ports; in 1939, before the outbreak of the present war, the price was $27 per ton, and there has been no subsequent increase. By contrast, during the 1914 World War before the Hopewell plant had been built the price of nitrate of soda advanced to as high as $150 per ton; and the average price paid by the United States government during that period was $82.50 per ton.

Carpenter Speaks for du Pont

On the day that the indictments were opened W. S. Carpenter, jr., president of E. I. duPont de Nemours & Co., issued the following statement:—

Press dispatches set forth that a Federal grand jury in New York city returned indictments today against twenty-nine corporations, including this company, charging a world conspiracy to control and monopolize the price of nitrates used in the production of munitions.

We have not seen the indictments; therefore, we cannot comment on their content other than to deny any violation of law.

The reference to munitions impels us to state that this company has made, is making, and will make every effort to aid in meeting the nation's needs for defense. In these undertakings, it has always endeavored to keep costs at the minimum, with service to the nation always the dominant consideration. Any charge, any inference otherwise, is untrue..

As an evidence of our cooperation with the government, we have agreed to erect and operate a plant at Morgantown, W. Va., for the government for the fixation of nitrogen for the production of munitions, and, to that end, have made available to the government all of our technical information and experience in such manufacture.

The investigation on which the indictments were based began prior to the outbreak of the present hostilities in Europe. It dealt primarily with nitrates for the fertilizer industry. It was concluded more than a year ago. For some reason, the release of the indictments was delayed until today.

On the same day J. Albert Wood, president of the Chilean Nitrate Sales Corporation, issued a denial on the part of that dependant as follows:—

The Chilean Nitrate Sales Corporation denies in every respect the reported charges made against it by the Department of Justice in its indictment against the nitrogen industry, opened yesterday.

In that connection, the following points should be noted:

(1) The Chilean Nitrate Sales Corporation is a New York corporation which handles the distribution of Chilean nitrate in the United States, its territories, and possessions. It is not and never has been a member of any nitrogen cartel, nor has any such cartel, so far as the corporation is aware, exercised any restrictions whatsoever upon the sale of nitrate in the United States.

(2) This corporation has had no agreements of any sort whatsoever with the Barrett Company, or with any other company mentioned in the indictment for the purpose of fixing prices, or for any other purpose.

(3) The prices of nitrate of soda in the United States market are determined by intensive competition from both domestic and foreign sources. These prices are established separately by the various companies engaged in the sale of the many nitrogenous fertilizers. Any similarity in prices results from the fact that each company must meet the competitive nitrogen price or go out of business. The current price of Chilean nitrate is about 58 percent below the level of 1926 (the year used by the government as a basis for most of its price calculation).

Statements by Chilean Concerns

For the Chilean producing companies the following statement was issued by Medley G. B. Whelpley, their president:—

I have been informed that the Anglo-Chilean Nitrate Corporation and the Lautaro Nitrate Company, Ltd., have been named as defendants in the recently opened indictments brought against the nitrogen industry.

These two companies are domiciled in Chile and are engaged solely in the production of Chilean nitrate. Under Chilean law, the export of that product is handled exclusively by the Chilean Nitrate & Iodine Sales Corporation, which is a quasi-governmental instrumentality of the Chilean government. Under the law, production is not a function of the state but is in the hands of private producers.

I understand that the indictments with respect to these companies relate to arrangements made several years ago, under the auspices of the Chilean government, between the Chilean Nitrate & Iodine Sales Corporation and the governments and nitrate producers of England, Germany, Denmark, France, Italy, and other European producing companies. These arrangements expressly exclude from their terms and penalties all markets within the United States and its territories and possessions. They have, of course, been terminated as a result of the present world war, which has closed the European market except for Great Britain, Portugal, and Spain.

I cannot, of course, speak for the Chilean government or its corporate agency, the Chilean Nitrate & Iodine Sales Corporation, but only for the two producing companies, of which I am president. I cannot believe, however, that it is the intention of these indictments to attempt to give extra-territorial effect to the antitrust laws of the United States by applying them to producing companies operating solely in Chile under Chilean law, or by applying them to acts outside of the United States by an agency of the Chilean government.

Shell Plans New-Process Solvent Extraction Plant

Wood River, Ill., Dec. 4, 1940

A new process solvent extraction plant, the first of its kind in the Middlewest, is planned by the Shell Oil Company here. It will be the first plant ever to produce high solvency naphthas and odorless cleaning solvents successfully from mid-continent crude oils. The new plant will cost $550,000 and will go into operation early next summer.

Construction of the extraction plant is being carried on entirely separate from the $10,000,000 refinery expansion program, now in its final stages at Wood River, and which expansion program included the erection of a naphtha plant, placed in operation recently, with a daily production capacity of 2,000 to 4,000 gallons. The company also has a solvent plant at its Houston, Tex., refinery.

The Shell company also will produce in the new plant naphthas of the odorless variety. Other products, already manufactured by the company, include mineral spirits, Stoddard solvent, rubber solvent, benzol and toluol substitutes, extraction naphthas, hexane, fly spray base, livestock spray base and high-flash mineral spirits.

Wolverine - Empire Oil Refining Company, Oil City, Pa., has changed to the Wolf's Head Oil Refining Company.

Fertilizer Materials

Activity in Fertilizer and Feed Organics Market Slackens—Price Structure Stable Except for Advance in Hoofmeal —Sulphate of Ammonia Continues Tight

The demand for organic fertilizer and feed materials slowed down noticeably last week. Consumers, who had been active during the several preceding weeks, apparently were well stocked and were showing less interest in current offerings. Prices in general remained firm and unchanged. Sole revisions were advances in hoofmeal at Chicago and cottonseed meal in the South. Chemical materials were moving along routine lines.

One exception was sulphate of ammonia which was in heavy demand with supplies tight. Further advances in the export price were reported. Movement of nitrate of soda remained slow. Demand for potash supplies was about normal.

Price Changes

Advanced

Cottonseed meal, 8%, $1 per ton, Southeast.
Hoofmeal, 25c. per unit-ton, f.o.b. Chi.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.3	67.3	67.3	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Ammonia Phosphate. — Shipments light. Sales limited. Price unchanged. October imports into the United States were 3,123 tons, valued at $127,630. Canada was the supplier.

Cyanamid.—Offerings and shipments small. Price well maintained. United States imports in October totaled 6,774 tons, valued at $145,198, from Canada.

Dried Blood.—Less interest in offerings. Shipments lighter. Market quiet. Prices firm and unchanged. October imports were 713 tons, valued at $23,330.

Fish Scrap. — Baltimore factories closed. Bulk menhaden from Chesapeake Bay unavailable for direct sale. Price nominal. No offerings of Japanese sardine meal reported. With the Japanese material lacking, Mexico entered this market in October and sent the United States 32 tons of scrap and meal, valued at $1,146.

Nitrate of Soda.—Market quiet. No large shipments to mixers reported. Price steady and unchanged. Imports from Chile in October totaled 34,822 tons, valued at $657,024.

Sulphate of Ammonia. — Market tight. Little material available for immediate shipment. October imports came from Canada and were 1,692 tons, valued at $54,210.

Tankage.—Market quiet. Fertilizer mixers and feed manufacturers less interested in offerings. Prices firm and unchanged. October imports totaled 1,563 tons, valued at $32,847.

Potashes

The general market remained quiet for most potash materials. Shipments were light and there was only a scattering of new business present. All prices were firm and unchanged.

Phosphates

Bone Materials.—Less interest in offerings was manifested. Shipments were lighter. Prices were steady and unrevised.

Phosphate Rock.—Normal movement. Prices firm.

Superphosphate.—Routine business reported. Prices steady. A total of 3,394 tons of standard material was imported into the United States during October. Value was $5,240.

Sulphur and Pyrites

Crude sulphur was moving satisfactorily. Price was steady. A total of 371,237 long tons of pyrites were shipped to the United States during the first ten months of 1940. Spain furnished 303,630 long tons, Canada sent 67,404 and 203 came from Mexico.

Markets at Other Centers

Atlanta—Dec. 4

Fertilizer material trading is reported light. Chief interest centering on ammoniates, with prices steady. The outlook for the coming season is considered bright. Quotations of this market are as follows:—

SUPERPHOSPHATE.—55c. per unit, interior producing points.

NITRATE OF SODA.—Bulk, port basis, $27 per ton.

SULPHATE OF AMMONIA.—Scarce at $28 per ton, port basis.

COTTONSEED MEAL.—$31.50 to $32 per ton, Southeast.

NITROGENOUS.—$1.75 per unit, Midwest producing points.

BLOOD.—S.Am. $2.50 per unit, ports.

TANKAGE.—Imported, $2.60 and 10c. per unit, ports.

Baltimore—Dec. 4

The market for crude fertilizer materials shows no changes, though an increasisg touch of firmness continues to manifest itself.

FISH SCRAP.—The last sale of North Carolina scrap was made at $49 per ton, f.o.b. shipping point, with supplies light. No tenders of foreign sardine meal are being made.

SUPERPHOSPHATE.—Quotations still rule at $8 per ton for 16 percent supplies and $8.50 for 16 percent flat.

TANKAGE.—The market continues to be characterized by quiet.

DRIED BLOOD.—Quiet with last sales concluded at $2.50 per unit-ton, f.o.b. Baltimore. South American material can be had at $2.50 per unit-ton, c.i.f.

SULPHATE OF AMMONIA.—The market for this material continues to advance, with $41 per ton now being asked and realized.

Chicago—Dec. 4

Quoted values of fertilizer materials are changing little from levels that have prevailed for some time. Inquiries have been along fairly generous lines. Blood buying has been showing signs of spotty improvement. Tankage is reported active. Bone materials are irregular.

BLOOD.—Principal grade, $2.80 per unit of ammonia.

TANKAGE.—High grade, feeding, $2.80 and 10c.; hoof-meal, $2.25 to $2.50; liquid stick, $1.75 to $2.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $29 to $30; 3 and 50 percent, $32; 4½ and 50 percent, $30 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; beef cracklings, soft pressed, $32.50 to $35 per ton; pork cracklings, soft pressed, $35 to $37.50; hard pressed cracklings, per unit of protein, 60c. to 62½c.

San Francisco—Dec. 4

Situation here in crude fertilizer materials is one of firmness but buying continues to be on the light side. Shipping instructions have as yet not gotten seriously under way, and the movement is expected to commence next month Organic products are mostly going into feed channels. Further activity was present again in fish meal last week, but the volume was not great.

SULPHATE OF AMMONIA.—$38 per ton in 100-pound bags, delivered inland points.

SUPERPHOSPHATE.—80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, and 167-pound bags, $28.70, both ex vessel or warehouse. Bulk lots at $27.

FISH MEAL.—Steady to stronger. Spot and futures, 67 percent protein, $47.50 per ton, f.o.b. San Francisco; 65 percent protein, $46, f.o.b. Monterey.

TANKAGE.—Unground, wet rendered, $2.70 and 10c. per unit-ton, f.o.b. plant, Northern California. Dry rendered, ground, 50 percent, $35 per ton, f.o.b. cars, South San Francisco. Unground, dry rendered, 57½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—$2.60 per unit, f.o.b. cars, South San Francisco, and $2.75 Los Angeles. New Zealand and/or South American blood, $2.65, ex dock, Pacific Coast.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Agricultural Commissioners Ass'n, Dec. 9-12, New Orleans, La.

★ Domestic MADE IN U. S. A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA AND AMMONIA LIQUOR

SUNSHINE STATE POTASH U.S.A.
A PRODUCT OF NEW MEXICO
REG. U. S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O, ALSO 50% K_2O
MANURE SALTS
Approximately 30% K_2O
UNITED STATES POTASH COMPANY
INCORPORATED
30 Rockefeller Plaza
New York, N. Y.

P. C. A. Red Muriate is ideal in plant operation—Uniform in color—Uniform in analysis—Uniform in grain size.
Muriate of Potash—50% and 60% Manure Salts
PCA
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE: MORTGAGE GUARANTEE BUILDING, ATLANTA, GEORGIA

Shipping Information

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Imports at U.S. Ports

New York Imports

AGAR—52 bls, Kachurin Drug Co, Kobe
30 bls, Kanbo, Inc, Kobe
20 bls, Kobe
20 bls, Takamine Corp, Kobe

ALOE—51 cs, Wessel, Duval & Co, Curacao
33 cs, Selma Mercantile Corp, Bonair

ALUMINUM FOIL—5 cs, J Lackow, Kobe
9 cs, Goudrand Shipping Co, Lisbon
166 cs, Lisbon

ANISE—62 bgs, Vera Cruz
100 bgs, Vera Cruz

STAR—50 bgs, Knickerbocker Mills Co, Hongkong
100 bgs, S B Penick & Co, Hongkong
56 bgs, Knickerbocker Mills Co, Hongkong

ANNATTO SEED—20 bgs, J Hinemill Soap works, Kingston

ANTIMONY ORE—378 bgs, W R Grace & Co, Antofagasta
1,039 bgs, W R Grace & Co, Antofagasta
789 bgs, W R Grace & Co, Antofagasta
438 bgs, New York & Cuba Mail S S Co, Vera Cruz

ARECA NUTS—200 bgs, S B Penick & Co, Colombo

ARSENIC—86 bbls, American Smelting & Rfg Co, Tampico

ASPHALT—181 bgs, Allied Asphalt & Mineral Co, Havana

BONE MEAL—1,113 bgs, Ashcraft Wilkinson Co, Buenos Airs

BRISTLES—82 cs, Amtorg Trading Corp, Murmansk
50 cs, Mitsubishi Shoji Kaisha, Shanghai
1 cs, A Hurst & Co, Calcutta
19 cs, Amtorg Trading Corp, Murmansk
129 cs, Armtorg Trading Corp, Murmansk
61 cs, Amtorg Trading Corp, Murmansk
8 cs, F H Cone & Co, Japan
35 cs, Iwai & Co, Japan

CAMPHOR, REFINED—200 cs, Magnus, Mabee & Reynard, Kobe
300 cs, Vick Chem Co, Kobe

CARDAMOM—14 cs, Colombo

CASEIN—334 bgs, Packing Product Co, Buenos Aires

CASSIA, BUDS—25 bgs, Knickerbocker Mills Co, Hongkong

FISTULA—7 baskets, Catz American Co, Macassar

ROLLS—46 bls, Van Norden & Archibald, Hongkong

VERA—85 bls, Chemical Bank Trust Co, Padang
42 bls, Catz American Co, Macassar
19 bls, Catz American Co, Macassar
26 bgs, Catz American Co, Macassar

CASTOR BEANS—1,700 bgs, Reicfe
3,400 bgs, Reicfe

CELERY SEED—86 bgs, A G Dunn, Karachi

CHEMICALS—93 dms, Gane & Ingram, Lisbon
4 cs, Gane & Ingram, Lisbon
10 dms, Sandoz Chem Works, Lisbon
3 cks, Wedemann & Godknecht, Lisbon

CHILLIES—78 bgs, Mombasa
28 bgs, Dar Es Salaam
112 bgs, I Harrison & Whitney, Japan

CHROME ORE—1,003 tons, 16 cwt, 0 qt, 13 lbs, F Samuels & Co, Lourenco Marques

CINCHONA BARK—410 bls, Merck & Co, Batavia

CINNAMON QUILLS—25 bgs, E S Klinko, Colombo
175 bgs, E S Klinko, Colombo

CLOVES—56 bls, Corn Exchange Bank Trust Co, Tamatave

COALTAR INTERMEDIATES—45 dms, A E Nydegger & Co, Lisbon
100 cks, A E Nydegger & Co, Lisbon
183 dms, Ciba Co, Lisbon

COBALT BEARING RESIDUE — 845 dms, Central Trading Corp, beira

COCHINEAL—65 bgs, W R Grace & Co, Callao

COCOA BEANS—3,500 bgs, Brazil
250 bgs, Daarnhonwer & Co, Guayaquil
1,000 bgs, W R Grace & Co, Guayaquil
250 bgs, Wood & Selick, Guayaquil
50 bgs, Daarnhonwer & Co, Guayaquil
500 bgs, Guayaquil
500 bgs, La Guaira
105 bgs, Schultz & Co, La Guaira
500 bgs, Wessel, Kulenkampf & Co, Trujillo
477 bgs, Irving Trust Co, Trujillo
60 bgs, Geck Trading Co, San Pedro de Macoris
1,923 bgs, Irving Trust Co, Sanchez
306 bgs, Irving Trust Co, Sanchez
150 bgs, Schutte & Focke, Port au Prince
200 bgs, Struller & Wood, Port au Prince
198 bgs, Struller & Wood, Port au Prince

COCONUT, DESIC — 1,521 pkgs, Durkee Famous Foods, Manila
205 bgs, Wood & Selick, Manila
1,508 pkgs, Durkee Famous Foods, Manila
1,226 pkgs, Balfour, Guthrie & Co, Manila
299 bgs, Durkee Famous Foods, Manila
450 cs, Balfour, Guthrie & Co, Manila
1,200 pkgs, General Food Sales Corp, Manila
300 pkgs, Balfour, Guthrie & Co, Manila
1,300 pkgs, General Food Sales Corp, Manila
350 cs, Balfour, Guthrie & Co, Manila

COCONUT SHELL CHARCOAL—6,276 bgs, American Overocean Corp, Manila
4,577 bgs, American Overocean Corp, Manila
1,693 bgs, General Food Sales Corp, Manila
8,628 bgs, American Overocean Corp, Manila

COCONUTS—500 bgs, Universal Import & Export Co, Kingston
1,000 bgs, General Food Sales Corp, Kingston
350 bgs, J A Manton, Kingston
676 bgs, Universal Import & Export Co, Kingston
200 bgs, I L Toledano Corp, Cristobal

CONCENTRATES—351 bgs, W R Grace & Co, Cartagena
2,365 bgs, American Smelting & Refining Co, Tampico

CORK—16 bls, Draeger Shipper Co, Barcelona
6 bls, Rothkamp & Co, Lisbon

DISCS—100 bls, Atlantic Freighting Corp, Barcelona

WASTE—536 bls, Lisbon
118 bls, Atlantic-Pacific Mfg Corp, Lisbon

COTTONSEED MEAL—2,226 bgs, Port au Prince

CYANIDE PRECIP—30 cs, South American Development Co, Guayaquil

DERRIS ROOT—185 cs, G L F Cooperative, Sourabaya

CHIPS—620 bgs, Ledward, Bibby & Co, Pulupandan

DILLSEED—172 bgs, Becker-Mayer Seed Co, Bombay
86 bgs, Joel Bielber Export & Import Co, Bombay

DIVI DIVI—753 bgs, Selma Mercantile Corp, Bonaire

DRUGS—3 cs, E Fougera & Co, Havana

DYES, ANILIN—25 dms, Sandoz Chem Works, Lisbon
30 dms, Sandoz Chem Works, Lisbon
19 dms, Goudrand Shipping Co, Lisbon
140 dms, Ciba Co, Lisbon
64 dms, Goudrand Shipping Co, Lisbon
4 cks, Ciba Co, Lisbon
37 dms, Gane & Ingram, Lisbon
38 dms, Ciba Co, Lisbon
27 dms, Sandoz Chem Works, Lisbon
112 dms, Wedemann & Godknecht, Lisbon
141 dms, Draeger Shipping Co, Lisbon
50 dms, A E Nydegger & Co, Lisbon
71 dms, 3 cs, A E Nydegger & Co, Lisbon

ERGOT—22 dms, J L Hopkins & Co, Lisbon

FISH LIVERS—1 bbl, Collett Corp, Lisbon

FLIES, DRIED—47 bgs, Vera Cruz

FLUORSPAR—115 tons, Tomlison & Co, Tampico

GAMBIER—87 cs, American Dyewood Co, Asahan
170 cs, American Cyanamid & Chem Co, Asahan
86 cs, American Dyewood Co, Asahan
87 cs, American Dyewood Co, Asahan
255 cs, American Cyanamid & Chem Co, Asahan
340 cs, American Cyanamid & Chem Co, Asahan
85 cs, American Cyanamid & Chem Co, Asahan
850 cs, American Dyewood Co, Asahan
50 cs, L Littlejohn & Co, Singapore

GELATIN—10 cs, Siber Hegner Co, Lisbon

GLANDS—55 crates, Universal Transcontinental Co, Buenos Aires
29 bxs, Universal Transcontinental Co, Buenos Aires

GLUESTOCK—11 bls, Darmstadt, Scott & Courtney, Buenos Aires

GRAPHITE—308 bgs, C E Pettinos, Colombo

GUM, ARABIC—8 bgs, E Miller & Co, Mombasa
3 bgs, S B Penick & Co, Mombasa
1 bg, Jacques, Wolf & Co, Mombasa
10 bgs, Innis, Speiden & Co, Mombasa
2 bgs, E Miller & Co, Mombasa
1 bg, Kachurin Drug Co, Mombasa

CHICLE—458 bls, Mexican Exploitation Co, Progreso
246 bls, Mexican Exploitation Co, Progreso
328 bls, Mexican Exploitation Co, Progreso

COPAL—171 bgs, G W S Patterson & Co, Macassar
127 bskts, H P Winter & Co, Macassar
120 bgs, O G Innes Corp, Macassar
146 bskts, H P Winter & Co, Macassar
202 bskts, O G Innes Corp, Macassar
166 bskts, American Cyanamid & Chem Co, Macassar
73 bskts, O G Innes Corp, Macassar
69 bskts, O G Innes Corp, Macassar
133 bskts, Sino Java Hvg, Macassar
75 bskts, S Winterbourne & Co, Macassar
197 bskts, Sino Java Hvg, Macassar
75 bskts, O G Innes Corp, Macasar
56 bgs, Manufacturers Trust Co, Manila
134 bgs, Stroock & Wittenberg, Manila
66 bskts, Sino Java Hvg, Macassar
129 bskts, Stroock & Wittenberg, Macassar
130 bskts, Sino Java Hvg, Macassar
433 bskts, Stroock & Wittenberg, Macassar
358 bskts, Sino Java Hvg, Macassar
138 bskts, Sino Java Hvg, Macassar
104 bskts, Sino Java Hvg, Ternate
66 bskts, Sino Java Hvg, Bosmik
22 bskts, Sino Java Hvg, Seroei
65 bskts, Sino Java Hvg, Macassar
25 cs, Gillespie Rogers Pyatt Co, Singapore
35 bgs, G W S Patterson & Co, Singapore
25 cs, Stroock & Wittengerg, Singapore
75 cs, G W S Patterson & Co, Singapore

DAMMAR—100 cs, O G Innes Corp, Padang
50 cs, Stroock & Wittenberg, Batavia
72 cs, O G Innes Corp, Padang
50 cs, O G Innes Corp, Singapore
100 cs, Thurston & Braidich, Batavia
750 cs, Thurston & Braidich, Batavia
76 bskts, H P Winter & Co, Macassar
77 bskts, H P Winter & Co, Macassar
100 cs, Sino Java Hvg, Macassar
128 bgs, Sino Java Hvg, Macassar
70 bgs, Sino Java Hvg, Macassar
100 cs, France, Campbell & Darling, Singapore
50 cs, W H Scheel, Singapore
35 bgs, Gillespie Rogers Pyatt Co, Singapore
75 cs, Gillespie Rogers Pyatt Co, Singapore
140 bgs, G W S Patterson & Co, Singapore
210 bgs, Thurston & Braidich, Singapore
420 bgs, France, Campbell, & Darling, Singapore
150 cs, Stroock & Wittenberg, Singapore
50 cs, O G Innes Corp, Singapore
100 cs, G W S Patterson & Co, Singapore
280 bgs, O G Innes Corp, Singapore
210 bgs, Thurston & Bradich, Singapore
210 bgs, Stroock & Wittenberg, Singapore
140 bgs, G W S Patterson & Co, Singapore
210 bgs, Thurston & Braidich, Singapore
50 cs, Stroock & Wittenberg, Singapore

ELEMI—2 cs, W R Babcock & Co, Manila

GAMBOGE—5 cs, F B Ross Co, Singapore

GUAIAC—10 cs, F W Berk, Trujillo

KARAYA—132 bgs, Frank Vliet Co, Bombay

NESPERO—10 bgs, Chicle Development Co, Cristobal
76 bls, Chicle Development Co, Cristobal

PERILLA—38 bls, Chicle Development Co, Cristobal

IPECAC ROOT—27 bgs, Cristobal

IRISH MOSS—116 bls, England

IRON OXIDE—40 bbls, New York & Cuba Mail S S Co, Malaga
40 bbls, American Export Line, Lisbon

JALAP ROOT—15 bgs, Vera Cruz

KETTLEDROSS—497 bgs, Cerro de Pasco Copper Co, Callao

MACE—73 cs, Catz American Co, Macassar
98 cs, Cats American Co, Macassar
97 cs, Catz American Co, Macassar
41 cs, Catz American Co, Macassar
43 cs, Catz American Co, Macassar
16 cs, A G Dunn, Batavia

MAGNESITE GRAIN—300 bgs, Madras
LUMP—900 bgs, Madras
WHITE—120 bgs, Madras

MANGROVE BARK—350 bgs, Dar Es Salaam
380 bgs, Dar Es Salaam

MANIOC FLOUR—25 bgs, S Stern Stiner & Co, Reicfe

MICA—14 cs, Heyman Corp, Calcutta
21 cs, A O Schoonmaker Insulation Co, Calcutta
25 cs, Madras
3 cs, Heyman Corp, Calcutta
60 cs, Mercantile Import & Export Co, Calcutta

BLOCK—23 cs, Wm Brand & Co, Madras
10 cs, O Gerdau Co, Madras
20 cs, Wm Brand & Co, Madras
15 cs, Mineral & Insulator Co, Calcutta
11 cs, Mercantile Import & Export Co, Calcutta
16 cs, Heyman Co, Calcutta

CONDENSER—5 cs, Mercantile Import & Export Co, Calcutta

DISCS—6 cs, Mercantile Import & Export Co, Calcutta
20 cs, A O Schoonmaker Insulation Co, Calcutta

FILM—22 cs, Mineral & Insulation Co, Madras
11 cs, A O Schoonmaker Insulation Co, Calcutta
11 cs, Heyman Corp, Calcutta
9 cs, Mercantile Import & Export Co, Calcutta

SPLITTINGS—21 cs, Wm Brand & Co, Madras
7 cs, Mineral & Insulation Co, Madras
210 cs, A O Schoonmaker Insulation Co, Calcutta
55 cs, Mineral & Insulation Co, Calcutta
7 cs, E J Cornelis, Calcutta
5 cs, Mercantile Import & Export Co, Calcutta
25 cs, E J Cornelis, Calcutta
303 cs, Heyman Corp, Calcutta

MINERALS—500 bgs, Tampico

MYROBALANS—3,360 bgs, Barkey Import Co, Bombay

NAPHTHALENE — 3,670 bgs, 407,737 lbs. Amtorg Trading Corp, Murmansk
3,000 bgs, 333,300 lbs, Amtorg Trading Co, Murmansk

NUTMEGS — 215 bgs, Catz American Co, Padang
93 bgs, Corn Exchange Bank Trust Co, Padang
62 bgs, Catz American Co, Macassar
186 bgs, Catz American Co, Macassar
62 bgs, Catz American Co, Macassar

OIL, CAMPHOR—15 dms, Dodge & Olcott Co, Yokohama
10 dms, Norda Essential Oil & Chem Co, Yokohama

CANANGA—3 dms, Geo Uhe Co, Batavia

CHINAWOOD—70 tons, Pacific Vegetable Oil Corp, Hongkong
100 tons, Irving Trust Co, Hongkong

CITRONELLA—36 dms, Batavia
20 dms, Givaudan Delawanna, Batavia
20 dms, Batavia
12 dms, Batavia
10 dms, Stein, Hall & Co, Batavia
11 dms, H P Winter & Co, Batavia
5 dms, Van Ameringen-Haebler Co, Colombo

CLOVES—19 dms, Chase National Bank, Tamatave
5 dms, Tamatave

COCONUT—456 tons, Banjoewangi
690 tons, Philippine Refining Corp, Manila
516 tons, Philippine Refining Corp, Manila
597 tons, Procter & Gamble Co, Manila
607 tons, Procter & Gamble Co, Manila
725 tons, Pacific Vegetable Oil Co, Cebu
522 tons, Philippine Refining Corp, Cebu
418 tons, Pacific Vegetable Oil Co, Cebu

COD—52 cks, Canada

CODLIVER—100 dms, Vitamerican Oil Co, Kobe
100 dms, Canada

ESSENTIAL—1 cs, Holland Colombo Trading Society, Ltd, Batavia
15 cs, Wells, Fargo & Co, Vera Cruz

LAVENDER—6 dms, Geo Lueders & Co, Seville
7 dms, Fritzsche Bros, Seville
1 dm, J Manheimer, Seville
6 dms, Ungerer & Co, Seville

LINALOE—3 dms, F W Pabst, Vera Cruz
2 dms, Vera Cruz
2 dms, F W Pabst, Vera Cruz

OLIVE—100 cs, Liberty Title & Trust Co, Lisbon

OLIVE SULPHUR—771,531 kilos, Central Hanover Bank Trust Co, Lisbon

PALM — 257 tons, Banque Belge pour L'Etranger, Belawan Deli
473 tons, Belawan Deli

PATCHOULI—1 dm, Stein, Hall & Co, Batavia
1 dm, Stein, Hall & Co, Sourabaya

YLANG YLANG—2 cs, W R Babcock & Co, Manila

PAPRIKA—282 bgs, J B de McOdo & Stock, Inc, Lisbon
100 bgs, Alicante
25 bgs, J Navarro, Alicante
130 bgs, J Saxton & Co, Alicante
170 bgs, Alicante
20 cs, Alicante
475 bgs, Alicante
50 bgs, Knickerbocker Mills Co, Alicante
50 bgs, Van Loan & Co, Alicante
25 bgs, Euclid Coffee Co, Alicante
50 bgs, Knickerbocker Mills Co, Alicante
25 bgs, Euclid Coffee Co, Alicante
25 bgs, B A Royiton Co, Alicante
150 bgs, Manufacturers Trust Co, Lisbon
100 bgs, Manufacturers Trust Co, Lisbon

PEPPER—250 bgs, F W Pabst, Tampico
580 bgs, Tampico
64 bgs, Tampico

BLACK—1,715 bgs, Catz American Co, Oosthaven
2,450 bgs, Catz American Co, Oosthaven
980 bgs, Catz American Co, Oosthaven
164 bgs, Catz American Co, Oosthaven
38 bgs, Catz American Co, Batavia

PERFUME, SYNTH—40 cs, Atlantic Shipping Agency, Lisbon
16 cs, Firmenich & Co, Lisbon
2 dms, Atlantic Shipping Agency, Lisbon

POTASH CHLORATE—1,000 cs, New York Match Co, Liinahamari

PYRETHRUM FLOWERS—1,200 bls, Mombasa

QUARTZ—1 cs, W R Grace & Co, Valparaiso

QUASSIA CHIPS—449 bgs, R J Prentiss & Co, Kingston

QUICKSILVER—15 flasks, Chase National Bank, Tampico

ROSEMARY LEAVES—2 bgs, D M Hatton & Co, Seville

SAFFRON FLOWERS—8 cs, Atlantic Freighting Co, Alicante

SAGO FLOUR—731 bgs, Stein, Hall & Co, Singapore
800 bgs, National Starch Prod Co, Singapore

SARSAPARILLA ROOT—64 bls, F W Pabst, Tampico

SESAME SEED—168 bgs, S K Adams, Inc, Hongkong
112 bgs, O Gerdau Co, Hongkong

SHELLAC—400 bgs, Ralli Bros, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
150 bgs, Mercantile Import & Export Co, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
150 bgs, Mercantile Import & Export Co, Calcutta
400 bgs, A Hurst & Co, Calcutta
100 cs, Mercantile Import & Export Co, Calcutta
200 cs, Mercantile Export & Import Co, Calcutta
300 bgs, E J Cornelis, Calcutta
100 bgs, Mercantile Import & Export Co, Calcutta
200 bgs, Ralli Bros., Calcutta

SEEDLAC—200 bgs, Mantrose Corp, Calcutta
200 bgs, Dings Schuster, Calcutta
300 bgs, Mantrose Corp, Calcutta
200 bgs, Mantrose Corp, Calcutta
250 bgs, Mercantile Export & Import Co, Calcutta
500 bgs, E J Cornelis, Calcutta
600 bgs, Ralli Bros, Calcutta
1,000 bgs, Gillespie, Rogers, Pyatt Co, Calcutta

SPONGES—7 bls, Mantos Bros, Havana
18 bls, Havana
2 bls, Havana
10 bls, Havana
17 bls, Havana

REFUSE—2 bls, Mantos Bros, Havana

TALC—800 bgs, Kobe
150 cs, C B Chrystal & Co, Kobe

TALLOW—161 dms, Durkee Famous Foods, Para
187 dms, Durkee Famous Foods, Para

TAPIOCA FLAKE—1,070 bgs, Stein, Hall & Co, Sourabaya

FLOUR—2 pkgs, Sino Java Hvg, Cheribon
750 bgs, Cheribon
4 pkgs, Sino Java Hvg, Cheribon
250 bgs, Cheribon
510 bgs, Aaron D Weids Sons, Pasoeroean
1,099 bgs, Stein, Hall & Co, Batavia
500 bgs, Stein, Hall & Co, Sourabaya
150 bgs, Stein, Hall & Co, Cheribon
500 bgs, W R Grace & Co, Tjilatjap
1,500 bgs, Stein, Hall & Co, Tjilatjap
532 bgs, Stein, Hall & Co, Batavia
750 bgs, Stein, Hall & Co, Tjilatjap
1,079 bgs, H P Winter & Co, Batavia
750 bgs, Stein, Hall & Co, Batavia
250 bgs, Stein, Hall & Co, Cheribon
1,096 bgs, Stein, Hall & Co, Tjilatjap
490 bgs, American Cyanamid & Chem Co, Tjilatjap
3,500 bgs Stein, Hall & Co, Tjilatjap
270 bgs, Chase National Bank, Batavia
800 bgs, Stein, Hall & Co, Tjilatjap
270 bgs, Chase National Bank, Cheribon
450 bgs, Stein, Hall & Co, Tjilatjap
250 bgs, G W Rueff, Tjilatjap
1,087 bgs, Stein, Hall & Co, Tjilatjap
500 bgs, H P Winter & Co, Tjilatjap
800 bgs, Stein, Hall & Co, Tjilatjap
250 bgs, G W Rueff, Tjilatjap
250 bgs, H P Winter & Co, Cheribon
1,008 bgs, Stein, Hall & Co, Cheribon
280 bgs, Balfour, Guthrie & Co, Cheribon
2,675 bgs, Balfour, Guthrie & Co, Pamanoekan
1,100 bgs, American Cyanamid & Chem Co, Batavia
1,000 bgs, Stein, Hall & Co, Batavia
250 bgs, Balfour, Guthrie & Co, Batavia
310 bgs, American Cyanamid & Chem Co, Batavia

TARTAR—89 bgs, W R Grace & Co, Valparaiso
114 bgs, W R Grace & Co, San Antonio
334 bgs, W R Grace & Co, San Antonio
238 bgs, Stauffer Chem Co, Tarragona
883 bgs, Charles Pfizer & Co, Buenos Aires
228 bgs, Charles Pfizer & Co, Buenos Aires
288 bgs, American Export Line, Lisbon

TEAWASTE—4,000 bgs, Citro Chem Co, Calcutta

TIN BARRILLO—1,500 bgs, Philipp Bros, Arica
500 bgs, A G Dibles, Arica
222 bgs, Philipp Bros, Arica
2,192 bgs, W R Grace & Co, Antofagasta

ORE—583 bgs, Philipp Bros, Arica

TOLU BALSAM—25 cs, Pan American Export & Import Agency, Barranquilla
20 cs, Mecke & Co, Barranquilla
30 cs, Wessel, Duval & Co, Barranquilla

TONKA BEANS—32 bbls, Para

TUNA LIVERS—20 dms, Straits Settlement

TURPENTINE—30 dms, Cold Medal Haarlem Oil Co, Belawan Deli

UVA URSI LEAVES—256 bgs, Kachurin Drug Co, Alicante
256 bgs, Kachurin Drug Co, Lisbon

VANADIUM, CONC—6,420 bgs, Vanadium Corp of America, Callao

ORE—1,532 bgs, Vanadium Corp of America, Callao
12,271 bgs, Vanadium Corp of America, Callao

VANILLA BEANS—11 cs, Irving Trust Co, Batavia
4 cs, Irving Trust Co, Batavia
25 cs, J Manheimer, Vera Cruz

WAX, BEES—1 bg, Mecke & Co, Puerto Barrios
21 bgs, Schutte & Focke, Trujillo
43 bgs, F W Pabst, Tampico
15 bgs, Lopez, Serrano & Co, Havana
9 bgs, D Steengrafe, Havana
6 bgs, Lopez, Serrano & Co, Havana
3 bgs, D Steengrafe, Havana
23 bgs, Havana
34 bgs, Irving Trust Co, Trujillo
16 bgs, Trujillo
9 seroons, Porcella, Vicini & Co, Port Plata

4 seroons, Porcella, Vicini & Co, Port Plata
12 seroons, Agruba Trading Co, Port Plata
CANDELILLA—698 bgs, M Argueso & Co, Tampico
CARNAUBA—63 bgs, Wessel, Duval & Co, Parnahyba
63 bgs, Bank of London South America, Parnahyba
150 bgs, W R Grace & Co, Parnahyba
63 bgs, Wessel, Duval & Co, Parnahyba
125 bgs, Bank of London South America, Parnahyba
123 bgs, W R Grace & Co, Parnahyba
375 bgs, Strohmeyer & Arpe Co, Parnahyba
129 bgs, W R Grace & Co, Parnahyba
353 bgs, Wm M Allison & Co, Para
VEGETABLE—100 cs, H H Rosenthal Co, Kobe
WINE LEES—443 bgs, Charles Pfizer & Co, Buenos Aires
396 bgs, Lisbon
294 bgs, Lisbon
102 bgs, Lisbon
1,797 bgs, Charles Pfizer & Co, Buenos Aires
1712 bgs, Charles Pfizer & Co, Buenos Aires
WOOD EXTRACT—1 dm, Draeger Shipping Co, Lisbon
WOLFRAM ORE—440 bgs, Metal Traders, Inc, Arica
915 bgs, W R Grace & Co, Antofagasta

New York Transit Imports

PAPRIKA—300 bgs, Woolson Spice Co, Alicante, Toledo, Ohio

Baltimore Imports

BONES—1,155 bgs, Santos
IRON ORE—10,500 tons, Bethlehem Steel Co, Cruz Grande
21,500 tons, Bethlehem Steel Co, Cruz Grande
5,700 tons, Bethlehem Steel Co, Daiquiri
MANGANESE ORE—8,950 tons, Takoradi
5,700 tons, Rio Janeiro
7,875 tons, Takoradi
OIL, FUEL—9,778 bbls, Standard Oil Co, NJ, Guiria
99,240 bbls, Standard Oil Co, NJ, Caripito
PETROLEUM, CRUDE—99,208 bbls, Standard Oil Co NJ, Las Piedras
89,868 bbls, Standard Oil Co NJ, Guiria
SHELLAC—50 bgs, Calcutta

Boston Imports

CORUNDUM CRYSTALS—964 bgs, American Abrasive Co, Lourenco Marques
1,569 bgs, American Abrasive Co, Lourenco Marques
808 bgs, American Abrasive Co, Lourenco Marques
GUM, ARABIC—20 bgs, American Cyanamid & Chem Co, Mombasa
8 bgs, I Sobin & Co, Mombasa
130 bgs, Mombasa
54 bgs, I Sobin & Co, Mombasa
MANGANESE ORE—700 tons, Bethlehem Steel Co, Calcutta
2,100 tons, Calcutta
TAPIOCA FLOUR—1,741 bgs, Stein, Hall & Co, Batavia
450 bgs, Stein, Hall & Co, Tjilatjap
250 bgs, Chase National Bank, Batavia
5,513 bgs, Minute Tapioca Co, Pasoeroean
500 bgs, Hunnewell & Co, Batavia

Charleston Imports

TAPIOCA FLOUR—250 bgs, Stein, Hall & Co, Batavia
200 bgs, American Cyanamid & Chem Co, Batavia

Houston Imports

TAPIOCA FLOUR—547 bgs, Stein, Hall & Co, Sourabaya
250 bgs, Stein, Hall & Co, Tjilatjap

Los Angeles Imports

AGAR—30 lbs, Yokohama
AMMONIA PHOSPHATE—349,440 lbs, Trail
APRICOT KERNELS—1,200 lbs, Hongkong
BONEMEAL—112,000 lbs, Tientsin
CAMPHOR, REFD—5,000 lbs, Kobe
CASSIA—11,200 lbs, Hongkong
11,600 lbs, Colmobo
CLAY, BALL—115,430 lbs, Plymouth
COCONUT, DESIC—33,130 lbs, Manila
82,710 lbs, Manila
279,280 lbs, Manila
54,100 lbs, Manila
86,650 lbs, Manila
COCONUTS—42,000 lbs, Colon
COLORS, CERAMIC—560 lbs, Birmingham
COPRA MEAL—4,600 bgs, 460,000 lbs, Cebu
28,480 sks, 2,848,000 lbs, Manila
2,000 bgs, 200,000 lbs, Cebu
20,000 bgs, 2,000,000 lbs, Manila
7,600 sks, 760,000 lbs, Manila
FISH LIVERS—544 tins, 21,760 lbs, Yokohama
1,641 tins, 65,640 lbs, Japan
76 cans, 2,860 lbs, Mazatlan
146 cs, 4,700 lbs, Mazatlan
343 tins, 13,720 lbs, Yokohama
GINGER ROOT—500 lbs, Hongkong
GUM, COPAL—22,500 lbs, Macassar
GYPSUM ROCK—7,974,400 lbs, Mexico
INK, INDIA—40 lbs, Kobe
MEDICINAL PREPS—810 lbs, Shanghai
OIL, PALM—1,243,470 lbs, Dutch East Indies
PEANUT—2,160 lbs, Hangkong
SESAME—470 lbs, Hongkong
WALNUT—60,000 lbs, Tientsin
RESIN, SYNTH—1,000 lbs, Montreal
SESAME SEED—100 lbs, Kobe
SOAP, TOILET—170 lbs, London
SODA NITRATE—2,218,790 lbs, Tocopilla
SOYBEANS—2,500 lbs, Hongkong
STARCH—400 lbs, Hongkong
TAPIOCA FLOUR—2,370 lbs, Hongkong

Mobile Imports

TAPIOCA FLOUR—820 bgs, Stein, Hall & Co, Sourabaya
100 bgs, Batavia
150 bgs, Cheribon
507 bgs, Stratham Shipping Co, Cheribon

Norfolk Imports

TAPIOCA FLOUR—500 bgs, Cheribon
544 bgs, Cheribon
331 bgs, Morningstar-Nicol, Pasoeroean
250 bgs, Perkins Glue Co, Batavia

Philadelphia Imports

BAUXITE ORE—4,500 tons, Charles Lennig & Co, Georgetown
CAMPHOR, REFD—6 cns, Kobe
CANARY SEED—544 bgs, Buenos Aires
CASSIA—420 bls, Hongkong
256 bls, Padang
CHINA CLAY—2,916 tons, Bristol
CHROME ORE—7,950 tons, E J Lavino & Co, New Caledonia
6,000 tons, E J Lavino & Co, Beira
506 tons, E J Lavino & Co, Lourenco Marques
COCOA BEANS—6,000 bgs, National City Bank of N Y, Bahia
549 bls, Semarang
500 bgs, Bahia
30,000 bgs, Bankers Trust Co, Bahia
500 bgs, Guaranty Trust Co, Bahia
FLUORSPAR—600 tons, E I du Pont de Nemours & Co, Inc, Tampico
GLYCERIN—335 dms, Corn Exchange Bank & Trust Co, Buenos Aires
MAGNESITE ORE—40,000 bgs, Dairen
MANIOC FLOUR—687 bgs, Rio de Janeiro
MOLASSES—667,739 gls, National Molasses Co, Sagua la Grande
726,316 gls, National Molasses Co, Puerto Padre
1,264,990 gls, E I du Pont de Nemours & Co, Inc, Barahona
125,725 gls, E I du Pont de Nemours & Co, Inc, Macoris
781,470 gls, Publicker Alcohol Co, Preston
567,221 gls, Publicker Alcohol Co, Antilla
153,569 gls, Publicker Alcohol Co, Sagua la Grande
645,608 gls, Publicker Alcohol Co, Pastelillo
982,710 gls, Publicker Alcohol Co, Havana
MUSTARD SEED—333 bgs, Tientsin
PEPPER, WHITE—258 bgs, Pangkal-Pinang
PETROLEUM, CRUDE—81,420 bbls, Atlantic Refining Co, Las Piedras
80,184 bbls, Gulf Oil Corp, Puerto la Cruz
RUTILE ORE—40 bgs, Rio de Janeiro
ZIRCONIUM ORE—800 bgs, Phila National Bank, Santos

Savannah Imports

GUM, DAMMAR—210 bgs, American Cyanamid & Chem Co, Singapore
TAPIOCA FLOUR—250 bgs, Stracham Shipping Co, Cheribon
510 bgs, Strachan Shipping Co, Batavia

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the folowing articles for the reason stated:—

New York

Week Ended December 4

Anise, 100 bags; filthy.
Cod oil, 1 barrel; restricted use.
Cumin seed, 93 bags; filthy.
Liver preparation, 1 parcel; not U.S.P.
Nutmegs, 25 bags; moldy.
Nutmegs, 505 bags; restricted use.
Orange oil, 60 cases; not U.S.P.
Medicinal preparation, 1 case; not properly labeled; dangerous drug.

Atlanta

Week Ended December 4

Paprika, 60 bags; not paprika; insect infested; not properly labeled.

Boston

Week Ended December 4

Cod oil, 6,726 gallons; restricted use.
Cottonseed meal, 2,229 bags; not properly labeled.
Medicinal preparation, 1 package; false therapeutic claims; dangerous drug.
Medicinal preparation, 30 cartons; false therapeutic claims.

Los Angeles

Week Ended November 28

Agar, 3 bales; uncertified coaltar color.

Philadelphia

Week Ended December 4

Caraway seed, 3 bags; filthy.

Seattle

Week Ended November 28

Lime juice, 1 case; short volume and diluted.

Exports from U.S. Ports

Los Angeles Exports

ACID, BORIC—100 bgs, 11,200 lbs, Shanghai
STEARIC, POWD—440 lbs, East London
AMMONIA SULPHATE—1,000 lbs, Mazatlan
ASPHALT, LIQ—30 dms, 15,310 lbs, East London; 182 dms, 86,450 lbs, Balboa/-Cristobal
BLUE, ULTRAMARINE—1,650 lbs, Mazatlan; 2,200 lbs, Santiago
BORAX—99 bgs, 11,090 lbs, Manzanillo; 40 bgs, 4,410 lbs, Valparaiso; 310 bgs, 35,730 lbs, Rio Janeiro; 30 cs, 3,360 lbs, Mazatlan; 30 sks, 3,000 lbs, Amapala; 1,300 bgs, 145,600 lbs, Hongkong; 2,500 bgs, 275,590 lbs, Shanghai
CALCIUM ARSENATE—27,500 lbs, Topolobampo
CHEMICALS—70 lbs, Tegucigalpa; 310 lbs, San Juan
CLAY—20 bgs, 2,000 lbs, Johannesburg
FILTER—44 sks, 2 200 lbs, Mexico; 90 sks, 4,500 lbs, Lima; 160 sks, 6,720 lbs, Vancouver; 400 sks, 20,160 lbs, Mazatlan; 220 sks, 11,000 lbs, Hillcrest
CLEANER—500 lbs, Salisbury, South Rhodesia; 1,020 lbs, Hongkong
CLOVES—3,240 lbs, Guayaquil
COLOR, DRY—50 lbs, Hongkong; 5,000 lbs, Manila
DIATOMACEOUS EARTH—320 bgs, 32,450 lbs, Vancouver; 200 bgs, 20,000 lbs, Mazatlan; 800 bgs, 80,000 lbs, Los Moches
DIBUTYL PHTHALATE—2,400 lbs, Hongkong
FILM SCRAP—2,140 lbs, Shanghai
GASOLINE—30 dms, 300 cs, San Jose del Cabo; 150 dms, Tegucigalpa
GREASE—20 cs, 800 lbs, Singapore; 62 pkgs, 6,650 lbs, Manila
LACQUER—1,650 lbs, Manila; 290 lbs, San Juan
THINNER—880 lbs, Santurce
LARD SUB—980 lbs, Manila; 3,040 lbs, Manila
LUBRICANTS—250 lbs, Manila
OIL, CASTOR—2,080 lbs, Hongkong
COTTONSEED—1,930 lbs, Manila
DIESEL—70,287 bbls, Ofunato/Onagawa; 21,228 bbls, Manila; 1,450 bbls, Porto Armuelles
FISH, HYDROG—41 bgs, 6,560 lbs, San Jose de Guatemala
FUEL—43,705 bbls, Manila
LUBRICATING—160 dms, Singapore; 120 pkgs, Manila
PAINT—3,060 lbs, Naranjo
LIQUID—80 lbs, Manila
REMOVER—290 lbs, San Juan
THINNER—70 lbs, San Juan
PASTE—2,000 lbs, San Jose del Cabo
PETROLATUM, LIQ—550 lbs, Lima
PETROLEUM COKE, CALC—4,872,000 lbs, Yokohama; 4,462,080 lbs, Shimizu; 2,681,280 lbs, Yokohama
CRUDE—94,892 bbls, Yokohama; 65,500 bbls, Ioco; 87,838 bbls, Amagasaki; 85,516 bbls, Kudamatsu
GAS, LIQ—49 cyls, 3,210 lbs, Vancouver; 43 cyls, 4,300 lbs, Vancouver
TOPPED—79,404 bbls, Nugata
POTASH NITRATE—50 lbs, Danli Depot, Honduras
RUBBER COMP—120 lbs, Manila
SHELLAC—3,280 lbs, Manzanillo
SOAP, LAUNDRY—45,000 lbs, San Juan; 7,500 lbs, Mayaguez
POWDER—210 lbs, Vancouver
SODA ASH—85,980 lbs, Mazatlan; 20,000 lbs, San Juan del Sur
BICARBONATE—2,400 lbs, Guaymas
SILICATE—54,600 lbs, Buenos Aires
TALC—460 bgs, 23,000 lbs, Vancouver
TOILET PREPS—1,160 lbs, Lima; 90 lbs, Paramaribo; 440 lbs, San Salvador; 750 lbs, Manila; 170 lbs, San Juan; 80 lbs, Santurce
WATERPROOFING COMP—2,520 lbs, Vancouver

Philadelphia Exports

CHEMICAL SPECIALTY—75 bbls, Batavia
GREASE—2 dms, 25 pls, 35 cs, Para
NITROCELLULOSE—15 dms, Batavia
OIL, LUBRIC—37 dms, 164 cs, Para; 346 dms, 2 bbls, 221 cs, Pernambuco; 24 dms, 20 cs, Maceio; 3,617 dms, Yokohama; 75 dms, Osaka; 476 dms, Kobe; 987 dms, Kanmon; 2,039 dms, Petsamo; 92 dms, 2,355 pkgs, Batavia; 140 dms, 60 ctns, Singapore; 160 pkgs, Sibolga; 185 pkgs, Belawan-Deli; 170 dms, Soengi-Gerong; 70 pkgs, Semarang; 60 pkgs, Padang; 605 pkgs, Palembang; 160 pkgs, Sourabaya; 130 cs, Menado
TURPENTINE SUBSTITUTE—150 cs, Para

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Ethylcellulose: — United Kingdom has exempted until December 31, 1940, from the key industry duty on ethylcellulose, ethylcyanacetate, and ethylorthoformate.

Gasoline:—Hongkong has increased the import duty on aviation and automobile gasoline to 80 Hongkong cents per imperial gallon.

Kerosene:—The Chilean import duty on kerosene imported in tankers has been reduced from 11.20 to 7.50 gold pesos per hectoliter, effective for a period of one year from December 1, 1940.

Methylethylketone: — Canadian tariff provides for the free entry of methylethylketone when imported by Canadian manufacturers for use as a solvent for polyvinyl chloride.

Origin Certificate:—French Indochina no longer requires certificates of origin for imports.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—9,200 bbls, San Francisco; 51,158 bbls, San Francisco; 4,100 bbls, San Diego; 2,182 bbls, San Diego; 371 bbls, San Diego; 32,045 bbls, Portland; 5,910 bbls, San Diego; 4,200 bbls, San Diego; 16,062 bbls, Richmond; 21,071 bbls, Richmond; 53,692 bbls, Portland; 74,874 bbls, Richmond
OIL, DIESEL—14,007 bbls, San Francisco; 2,383 bbls, San Diego; 1,400 bbls, San Diego; 16,625 bbls, Portland
FUEL—100,236 bbls, Richmond; 1,784 bbls, San Francisco; 66,114 bbls, Avon; 55,596 bbls, Portland; 5,967 bbls, Portland; 59,865 bbls, Portland; 66,620 bbls, Point Wells
FURNACE—4,748 bbls, San Francisco; 5,030 bbls, Portland; 7,092 bbls, Portland; 5,814 bbls, Richmond

Current Market Quotations

Zinc Oxide—Zirconium

—Continued from page 23

Zinc oxide, French process, coml., lead free, green seal, ex whse., Pac. cst.	lb.	.06½ - —
bbls., c.l., dlvd.	lb.	.06¾ - —
l.c.l., dlvd., except Pac. cst.	lb.	.08¾ - —
ex whse., Pac. cst.	lb.	.08¾ - —
red seal, bgs., c.l., dlvd.	lb.	.07¾ - —
l.c.l., dlvd., except Pac. cst.	lb.	.08 - —
ex whse., Pac. cst.	lb.	.08 - —
bbls., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼ - —
ex whse., Pac. cst.	lb.	.08¼ - —
white seal, bgs., c.l., dlvd.	lb.	.08¾ - —
l.c.l., dlvd., except Pac. cst.	lb.	.09 - —
ex whse., Pac. cst.	lb.	.09 - —
bbls., c.l., dlvd.	lb.	.09 - —
l.c.l., dlvd., except Pac. cst.	lb.	.09¼ - —
ex whse., Pac. cst.	lb.	.09¼ - —
imported, gold seal, cks., ex whse.	lb.	No prices
green seal, bbls., ex whse.	lb.	No prices
white, seal, cks., ex whse.	lb.	No prices
USP, bbls., c.l.	lb.	.09¾ - —
Palmitate, bbls.	lb.	.24½ - .27½
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd.	lb.	.18 - —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.22 - —
l.c.l., 1 ton	lb.	.23 - —
1,000-2,000 lbs	lb.	.24 - —
less than 1,000 lbs	lb.	.25 - —
USP, bbls.	lb.	.28 - .30
Sulphate, cryst., bgs., c.l.	100 lbs.	2.90 - —
l.c.l.	100 lbs.	3.05 - —
bbls., c.l.	100 lbs.	3.05 - —
l.c.l.	100 lbs.	3.20 - —
flake, bgs., c.l.	100 lbs.	3.25 - —
l.c.l.	100 lbs.	4.00 - —
bbls., c.l.	100 lbs.	3.40 - —
l.c.l.	100 lbs.	4.15 - —
powd., bgs., c.l.	100 lbs.	4.55 - —
l.c.l.	100 lbs.	5.30 - —
bbls., c.l.	100 lbs.	4.70 - —
l.c.l.	100 lbs.	5.45 - —
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.07½ - —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾ - —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.07¾ - —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08 - —
barium, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.06¼ - —
calcium pigments, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼ - —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¼ - —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼ - —
Sulphocarbolate, NF., bbls., dms.	lb.	.34 - .39
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05¼ - —
l.c.l., dlvd., except Pac. cst.	lb.	.05¾ - —
ex whse., Pac. cst.	lb.	.05¾ - —
Zirconium nitrate, kgs., works.	lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works.	ton.	75.00 -100.00
white, 98%, grd., kgs., works,	lb.	1.80 - 2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Dec. 2 issue; the next printing will be in the Jan. 6 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 39.

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NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 261, Oil, Paint and Drug Reporter.

Capital Offered

EXECUTIVE will invest in small or moderate-sized business requiring capital for expansion; $25,000 available. Location immaterial. BOX 270, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE in good condition—one 4-row Stedman cage mill 36 inches; one No. 1 Williams hammer mill; one 40 h.p. Westinghouse motor. BOX 263, Oil, Paint and Drug Reporter.

SPECIALS from stock:—Shriver 30 in. steam jacketed filter press; Day jumbo mixer, 680 gals.; five 26 in. stone mills, iron mill feed; three 8 in. lab. stone mills; four Patterson 1,000-gal. mixing tanks; pony mixers; dry powder mixers; colloid mills; vacuum pans; filter presses, 12 in. to 36 in.; pebble and ball mills, lab. to 1,000 gals; etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

Equipment Offered

TWO MORE weeks to move remaining items Purefine Food plant:—Burkhard 40 in. copper jacketed vacuum pan; 60-gal. copper vacuum pan; Shriver 18 in. aluminum filter press; 300-gal. copper jacketed kettle; 10 HP Kane gas fired boiler, all fittings; filler machine, single piston filler; grinders, mixers; glass-lined tanks. Canning equipment on hand:—Vertical retorts; Anderson dicer; Ayars pea and bean filler; U. S. rotary rinser, etc. Machinery & Equipment Corporation, 59 East 4th street, New York City. GR. 3-6466.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixers, pulverizer. No dealers. BOX 260, Oil, Paint and Drug Reporter.

Factories Offered

MODERN FACTORY, one story; 60,000 sq. ft. floor space, concrete floor, truck platform, steam plant, railroad siding, ample yard space. Unrestricted district in New Jersey near New York City. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Factories Wanted

LOOKING for a small paint factory or building, suitable two stories, if possible in the vicinity of New York City. Please give description as to size, location, rent, etc. BOX 251, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

WANTED FOR CASH, quantities of industrial chemicals, intermediates, fine and pharmaceutical chemicals. BOX 269, Oil, Paint and Drug Reporter.

WANTED TO BUY gum euphorbia. George E. Richards, 190 Baldwin avenue, Jersey City, N. J. Tel. Journal Sq. 2-4380.

Positions Vacant

WANTED:—Experienced paint and varnish formulator for a Florida concern. Please state experience and salary desired. Opportunity to purchase interest in business available if desired. BOX 250, Oil, Paint and Drug Reporter.

DISTINGUISHED LITHOPONE expert, capable of building new plant, wanted. BOX 267, Oil, Paint and Drug Reporter.

Positions Wanted

TECHNICAL SERVICE streamlined for manufacturer of pigments, resins, solvents, etc. Resourceful graduate chemist, employed, at present, by eastern color house. Seeking wider opportunity with manufacturer of raw materials for industrial coatings. Married. Age 28. Box 255, Oil, Paint and Drug Reporter.

Positions Wanted

CHICAGO and middle western agent seek line chemicals, aromatics, essential oils, flavor, or kindred lines. Fifteen years' experience, married, Protestant. Pharmaceutical background. Available at once. BOX 257, Oil, Paint and Drug Reporter.

SALESMAN:—25 (not an order clerk), chemist; also one year dental school, with exceptional sales record, desires reliable connection in metropolitan area. BOX 268, Oil, Paint and Drug Reporter.

Real Estate

REAL ESTATE for sale or to let: Four story brick "L" building, 178 front—148 John, New York City. Elevators, electric, shipping platforms. Exceptional building, importing, exporting business uses. Keys, Androvette, 277 Water, New York City.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

Surplus Stock

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire Plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

GUARANTEED
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FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

Petroleum Freight Cut Authorized by I.C.C.

OPD Washington Bureau
December 2, 1940

To permit railroads in Western Trunkline territory to meet the increasing competition of truckers, the Interstate Commerce Commission has authorized lower rail freight rates on tankcar lots of refined petroleum products from pipeline and barge terminals in Illinois, Iowa, Wisconsin, Nebraska, and Minnesota to destinations in Central Western States.

The reductions were suspended by the commission last June when independent refineries in the Midcontinent field protested that the new charges would hamper them from serving northern markets with all-rail shipments.

The commission decided that the new rates, which are substantial for short distances but grade into present rates beyond 300 miles, are compensatory and not out of line with rates for similar distances in Kansas and Oklahoma.

The commission denied it had the power to adjust marketing competition, and asserted that failure to authorize the new rates would not aid shippers by all-rail routes because petroleum would continue to move to northern destinations by pipeline, barge, and truck.

Franklin Glass Corporation, Butler, Pa., has purchased the plant, equipment, and other assets of the Clearview & West Penn Glass Company, Renfrew, Pa. Operations will be started early next year.

Trade Briefs

C. M. Smythe of Saybolt & Co., petroleum inspector, this city, has applied for membership in the New York Produce Exchange.

New York Produce Exchange Luncheon Club will hold its annual fall frolic December 13 in the club rooms in the Produce Exchange Building, 2 Broadway. Reception at 5 p.m. Dinner and a floor show at 7 p.m., followed by dancing.

Hollywood Cosmetic Company is the firm name under which Christopher Staber, Grace C. Staber and Jene Thibault have obtained a certificate to conduct business at 1773 North Highland avenue, Hollywood, Calif.

H. A. B. Dunning, president of Hynson, Westcott & Dunning, Inc., pharmaceutical specialties, Baltimore, is vacationing in Arizona for a few weeks, after a stay in Florida. He is expected to return home late this month.

Eckerd's of Wilmington, Inc., pharmaceutical suppliers, has obtained a permanent order restraining the Wilmington Building Trades Council from picketing the property of Milton J. Eckerd in Wilmington, where a drug store is being erected.

Gulf Oil Named In $20,000,000 Suit

The Gulf Oil Corporation, Pittsburgh has been named in a suit in Monahans, Tex., asking damages for more than $20,000,000 and cancellation of oil and gas leases on 22,400 acres in Texas counties of Ward and Winkler. The suit has been filed by G. W. O'Brien and others. Plaintiffs included 40 persons in ten States and England.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Spices:—Ton lots; Stockholm, Sweden; purchase (504).

Tallow:—Zagreb, Yugoslavia; purchase (499).

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you can get it here - - - - -

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CASTALIA PORTLAND CEMENT CO.
Castalia, Ohio

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AMERICAN SOYA PRODUCTS CO.
Evansville, Ind.

Machinery of the Famous
WOOLSEY PAINT CO.
Jersey City, N. J.

Send for illustrated bulletins listing the equipment in these plants. Representative on premises. Arrange to inspect.

We Buy Idle Machinery for Cash
Send Us a List

2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other sizes from 2' x 6' up.
1—Louisville 4 ft. 6 in. by 20 ft. Steam Tube Dryer.
12—Vacuum Shelf Dryers, all sizes.
1—Zaremba Triple effect Evaporator, 2,100 sq. ft. per effect.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2,000 gal.
7—3-roll Roller Mills, up to 16 by 40.
1—6' underdriven Putty Chaser, double rollers.
1—5' by 22" Hardinge Conical Ball Mill.
12—Ball Mills, 10 gal. to 500 gal.
2—Shriver 32 in. x 32 in. castiron Filter Presses, recessed, center feed, 30 plates; other sizes from 7" x 7" to 42" x 42".
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.
1—700 gal. Duriron jacketed Kettle.
1—Day 80 gal. Brighten Change Can Mixer.
1—No. 10 Sweetland Filter, 2" c.c.; others all sizes.
14—Centrifugal Extractors, 16" to 60".

Send for Latest Issue of Consolidated News

CONSOLIDATED PRODUCTS CO., Inc.
13-18 Park Row - - New York, N.Y.
SHOPS, 335 Doremus Avenue, Newark, N.J.

Bids Wanted

Alcohol, Denatured: — 1,500 gallons, for Minneapolis, Minn.; Purchasing Agent, Post Office Department, Washington, D. C.; invitation 1641, opening December 11.

Aluminum, Powdered:—15,000 pounds; General Purchasing Officer, Washington; schedule 4564, opening December 10.

Ammonium Nitrate: — 2,000,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1195, opening December 13.

Calomel: — 1,800 pounds, Commanding Officer, Picatinny Arsenal, N. J.; procurement 1202, opening December 13.

Caustic, Soda:—4,000 cans, in 13-ounce cans; General Purchasing Officer, Washington; schedule 4565, opening December 12.

Lampblack:—1,000 pounds; General Purchasing Officer, Washington; schedule 4564, opening December 10.

Laundry Soap:—500,000 pounds; Quartermaster, Army Base, Brooklyn, N. Y.; invitation 626-234, opening December 10.

Lime, Hydrated:—26,700 pounds; CCC, Boston, Mass.; invitation 5107-59, opening December 6.

Naphthalene, Flaked: — 88,500 pounds, Quartermaster Supply Officer, San Antonio General Depot, Fort Sam Houston, Texas; invitation 503-168, opening December 12.

Nitrogen:—2,220,000 cubic feet; Commanding Officer, Rock Island Arsenal, Ill.; circular 722, opening December 4.

Petrolatum, Solid:—2,700 pounds, for Chicago, Ill.; Procurement Division, Veterans Administration, Washington, D. C.; invitation 250, opening December 11.

Soap, Grit:—70,000 cakes, Quartermaster Depot, 1819 West Pershing Road, Chicago, Ill.; invitation 199-200, opening December 11.

Laundry:—400,020 cakes; Quartermaster Depot, 1819 West Pershing Road, Chicago, Ill.; invitation 199-200, opening December 11.

Toilet: — 25,000 cakes; Quartermaster Depot, 1819 West Pershing Road, Chicago, Ill.; invitation 199-200, opening December 11.

117,000 cakes; Quartermaster Supply Officer, San Antonio General Depot, Fort Sam Houston, Texas; invitation 503-168, opening December 12.

Soda Ash:—180,000 pounds; Procurement Division, Treasury Department, Washington, D. C.; invitation 9276-RS3, opening December 12.

Sodium Phosphate, Tribasic: — 150,000 pounds; Quartermaster Depot, 1819 West Pershing Road, Chicago, Ill.; invitation 199-202, opening December 11.

Solvent, Drycleaning:—7,000 gallons; Quartermaster Depot, Fort Sam Houston, Texas; invitation 503-166, opening December 12.

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